

**NeoSOFT®**

Capabilities

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# Driving Digital Outcomes in the Manufacturing Industry



# About Us

## Overview



**4000+**  
Employees



**10**  
Global Offices



**9**  
Development  
Centers



Office Space  
**1,00,000+** Sq.ft.

## Clientele



**1500+**  
Clients



**50+**  
Countries



**85%**  
Clients Retention



Industry Verticals  
**22+**

## Achievements



**2000+**  
Products Engineered



**1500+**  
Applications  
Developed



**12+**  
Awards



**20+**  
Million Development  
Hours

## Partners



**25+**  
YEARS OF  
EXCELLENCE



**CMMI DEV/5**

# Certified To Deliver Quality



ISO

9001:2015  
Quality Management

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ISO

27001:2013  
Information Security

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ISO

20000-1:2011  
IT Management

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ISO

22301:2012  
Business Continuity  
Management

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# What We Do

## Team Augmentation

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A team of 4000+ Battle Tested engineers across 100+ Different Stacks.

We are your Digital Factory, dedicated teams to supercharge your development throughput.

0 Operational Overheads.

Agile & On Demand.

## Fixed Scope

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We offer meticulously crafted project specifications and timelines for cutting-edge development, seamless integrations and feature-rich solutions.

The NeoSOFT approach ensures your projects are delivered with precision and excellence.

## Managed Services

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Our IMS services helps enterprises to run Business as usual.

With strong SLA driven services, 24x7 Support, Governance and Technology expertise, we help to optimize processes and costs.



# How we help?

NeoSOFT has been a trusted Digital Partner for global brands & new age disruptors in the Manufacturing industry. Businesses partner with us to build & leverage digital capabilities to optimize costs, operate better, provide phenomenal CX, make data driven decisions & build new revenue channels.

## Digitization

- Mobile Applications
- Custom Software
- Personalization

## SAP Integration

- Supply Chain Management
- Manufacturing Execution System (MES)
- Financial Management

## RPA

- Automated Factory Floor Operations
- Billings and Settlements
- Chatbots

## IoT

- Digital Twins
- Predictive Maintenance
- Real-time Feedback
- Smart Inventory Management

## AI/ML

- Predictive Machinery Maintenance
- Personalized Manufacturing Solutions
- 3D Modelling
- Real World Superimposition

## Analytics

- Real-time Information
- Production Optimization
- Relevant Products, Services or Deals

## Security

- Secure Traceable Payments
- Tracking for Shipping
- Identification Services
- Fraud Detection

# Our Expertise

We help businesses wherever they are in their digital journey. From consulting for a **digital transformation** to carving out a **technology roadmap**. Our expertise helps you to **drive ROI** from your digital initiatives.

## Digital Transformation

UX/UI Consulting

Web & Mobility Solutions

Enterprise API Management

RPA

Legacy Modernization

## Digital Product Engineering

Custom Software Engineering

QA Services

Maintenance

Managed Services

## Infrastructure & IT Operations

Cloud Consulting

DevSecOps

Cloud Migration

Cloud Management

## Data Management & Analytics

Data Engineering

Governance

B.I. & Analytics

## Artificial Intelligence

M.L. Models

Model Generation

M.L. Ops

Data Science

## Internet of Things

IoT Consulting

Software Defined Features

IoT Applications

## Innovation Lab

MVP & POCs

Rapid Prototyping

Emerging Tech

## Team Augmentation

Solution Architects

B.A.

Developers

Data Scientists

# Selected Clientele

**Canon**  
Delighting You Always

**ESSAR**

**NISSAN**

**Panasonic**



**BACARDÍ**

**adani**  
Electricity



**motherson**

**MOËT & CHANDON**  
CHAMPAGNE

**Mahindra**

**pagholz**

**ACC**

**KÄRCHER**

**I'DECOR**  
Live beautiful

**SUPERMAX**  
I like how it Feels!

**thyssenkrupp**



**ADNOC**

**SAINT-GOBAIN**

**PHILIPS**

**JAGUAR**

**Godrej**

**HÄFELE**

**raymond**

**P&G**

**marico**

**Reliance**  
Industries Limited

**TATA**  
**TATA POWER**

**ONGC**

**JOHNSON**  
REDEFINING LIFESTYLES, WORLDWIDE.

**BLUE STAR**

**PanUnited**

**بابكو**  
**Bapco**

**General**  
**Mills**

**Johnson & Johnson**

**OLA ELECTRIC**

**HOLCIM**

**LAKMÉ**

**Emcure**  
SUCCESS THROUGH INNOVATION

**JTI**

**REHAU**

**D-Link**  
Building Networks for People

**Camlin**

**Kleenex**  
**HUGGIES**

**Nestlé**  
PROFESSIONAL

**SCG**

# Case Studies

AI/ML

CRP/ERM/Internal Systems

Inventory Management

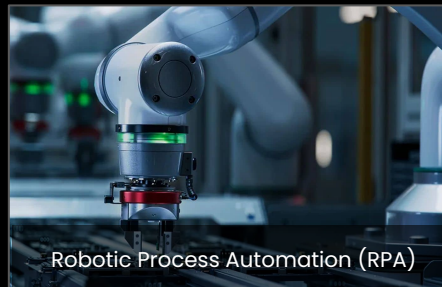
Internet of Things (IoT)

Logistics & Supply Chain

Platforms

RPA

SAP



AI/ML





## A Firm Improving Manufacturing Efficiency through Customized Support

Developed a comprehensive manufacturing execution system (MES) with AI/ML.

Scalability

AI/ML

Content Management

**53%**

**Improved  
Efficiency**

**3X**

**Better Inventory  
Management**

**70%**

**More Production Output**

# Solutioning

## Challenges

- Ensuring the platform is visually appealing and functional across various devices and screen sizes.
- Working within the constraints of WordPress limited customization options.
- Integrating different modules and functionalities seamlessly within the WordPress environment while maintaining performance.

## Technical Spotlight

- Leveraged Bootstrap's responsive grid system and components for a responsive design.
- Utilized custom CSS and HTML to override default styles and achieve the desired level of customization.
- Utilized WordPress plugins that offer seamless integration with desired functionalities.

## Solution Highlights

- Delivered a consistent and user-friendly experience across devices, enhancing user satisfaction.
- Provided a unique and branded experience for users.
- Ensured seamless integration of desired functionalities while maintaining platform stability.

## Tech Stack



## Factory Monitoring



All



CLOSED



WAITING FOR JOB



WAITING FOR MAINTENANCE



PRODUCTION



MANIPULATION



WAITING FOR LABOR



WAITING FOR QUALITY

AMADA 1234  
Operation Time 8d, 02:15:12

83.59%

On Schedule

0

OEE

53

Goods Count

PRODUCTION

RUNNING

10 || TEST OPERATION 009

MM04703 / FINALTEST1

ASSEMBLY LINE  
Operation Time 8d, 01:57:18

69.17%

On Schedule

0

OEE

2

Goods Count

PRODUCTION

RUNNING

10 || ALLWORKSTATION

MM04713 / FIN0001

MACHINE 1  
Operation Time 20:57:15

100.00%

On Schedule

0

OEE

1

Goods Count

PRODUCTION

RUNNING

10 || ALLWORKSTATION

MM04713 / FIN0001

ASSEMBLY\_1  
Stop Time 00:05:01

0

On Schedule

0

OEE

-

Goods Count

PANEL INACTIVE

CLOSED

ASSEMBLY 1

-

LINE - 1  
Stop Time -

0

On Schedule

0

OEE

-

Goods Count

WAITING\_FOR\_JOB

CLOSED

-

-

MEASURING  
Operation Time 3d, 17:27:39

41.69%

On Schedule

41%

OEE

26804

Goods Count

PRODUCTION

RUNNING

10 || CNC2

MM04344 / 18.1.22 FIN

LINE - 2  
Stop Time -

8.78%

On Schedule

0

OEE

855

Goods Count

SETUP OVERTIME

CLOSED

10 || ALLWORKSTATION

MM04481 / FINMAT45

ASSEMBLY\_2  
Stop Time -

0

On Schedule

0

OEE

-

Goods Count

WAITING\_FOR\_JOB

STANDBY

-

-

## A Leading German Company Specializing in Advanced Cleaning Solutions

Elevated cleaning device shopping with smart analytics integration.

Adobe Analytics

Customization

Accessibility

**100%**

**Adobe Analytics  
Integration**

**96%**

**Tailored Offline  
Experience**

**3X**

**Export  
Convenience**

# Solutioning

## Challenges

- Ensuring effective utilization of Adobe Analytics for robust user data tracking.
- Integrating Realm for the offline database, ensuring seamless synchronization with the existing system.
- Ensuring a consistent user experience and analytics tracking across various platforms and devices.

## Technical Spotlight

- React Native enabled cross-platform development, ensuring a uniform Adobe Analytics tracking experience on both iOS and Android devices.
- Realm's offline database offered a reliable storage solution, allowing users to access crucial data even in offline mode.
- Realm offered a real-time data synchronization platform, facilitating instant updates.

## Solution Highlights

- Defined and documented key metrics aligned with data tracking, regularly updating them to adapt to evolving requirements.
- Ensured seamless offline database implementation aligned with project requirements.
- Developed platform-specific optimizations and conduct thorough testing on different devices and operating systems.

Tech Stack





CLOSE MENU

Dashboard

Reports

Locations

Inspections

Time Tracking

Scheduling

Supplies

Cleaners

Supervisors

Managers

Clients

Brown Cleaning



Good Morning, Michael

Last Updated: 18-01-2023, 10:23 AM

Jan 08 - Aug 08

### Cleaners

Today  
100  
15% ↑

Last Month  
85

Removed  
10  
10% ↓

Added  
25  
25% ↑

This month



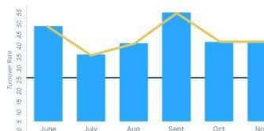
### Cleaner Turn Over Rate

Date range

Locations

Today  
10 (10%)  
15% ↓ Compared to 30 Days

Avg Turnover rate  
10 (7%)  
15% ↑ Compared to 30 Days



### Cleaner Retention

Locations

Date range

1 Year (10%)  
15% ↑ Compared to Avg Swept Customer

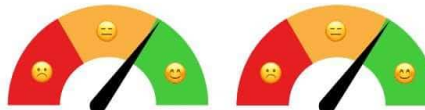


2 Years

### Mood

Locations

Date range



## A Company Specializing in Monitoring Technology for Additive Manufacturing

Built an application to leverage image capture and AI to detect defects in manufacturing processes.

Real-Time Monitoring

Cloud Deployment

Image Processing

**5X**

**Manufacturing  
Efficiency**

**99%**

**Seamless  
Integration**

**75%**

**More Reliable  
Version Control**

# Solutioning

## Challenges

- Integrating technologies and hardware components into the platform.
- Maintaining optimum levels of user engagement through intuitive interface design and efficient communication channels.
- Achieving real-time processing of captured images and data for timely defect detection.

## Technical Spotlight

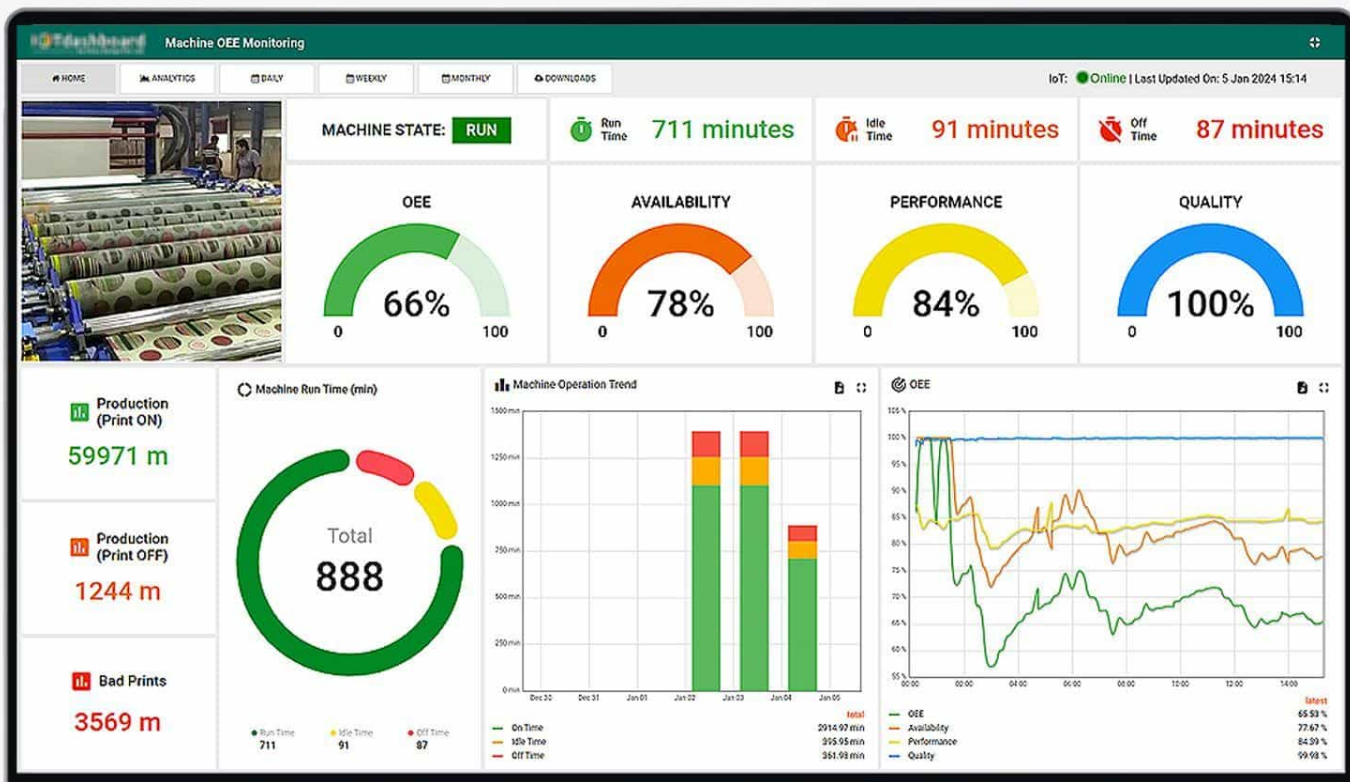
- Utilized Node.js and Flask to build microservices that handle specific functionalities, enabling easier integration and maintenance.
- Used AJAX for asynchronous data retrieval and Redux for state management, enhancing user interaction and responsiveness.
- Implement WebSockets in Node.js for real-time communication, enabling instantaneous data updates.

## Solution Highlights

- Streamlined integration efforts, ensuring seamless interaction between different components of the platform.
- Ensured a dynamic and engaging user interface, increasing user engagement and satisfaction.
- Facilitated real-time communication, enabling instant processing and detection of manufacturing defects.

Tech Stack





A large orange industrial robotic arm is positioned on the left side of the frame, reaching towards a large computer monitor on the right. The monitor displays a complex dashboard with various data visualizations, including a circular gauge showing 45%, a bar chart, a line graph, and three circular progress indicators with values 50, 60, and 70. The background is a blurred industrial setting with various pipes and machinery.

CRM/ERP/Internal Systems



# Case Studies

AI/ML

CRP/ERM/Internal Systems

Inventory Management

Internet of Things (IoT)

Logistics & Supply Chain

Platforms

RPA

SAP

## Global Leader in Precision Fastening and Assembly Solutions

Built a smart automation tool to streamline the gas-pipes welding process.

Product Engineering

Automation

CMS

Sensors

**5X**  
Improved  
Visibility

**99%**  
Quality  
Outcomes

**8X**  
Improved  
Productivity

# Solutioning

## Challenges

- Achieving high-levels of productivity was crucial as the client operates in the oil and gas sector, where factors such as time, yield, and budgets were necessary to be kept as minimal.
- Leveraging IoT Technology in the industrial framework required coupled efforts ensuring that the communication between the hardware devices and the software was thoroughly built.

## Technical Spotlight

- Node.js supports the MQTT protocol, commonly used by IoT apps, making it easy to connect to independent and third-party services and prepare it for integration through multiple environments.
- IoT in welding offered delivering insights on system performance that led to identifying communications between systems and deriving performance data.

## Solution Highlights

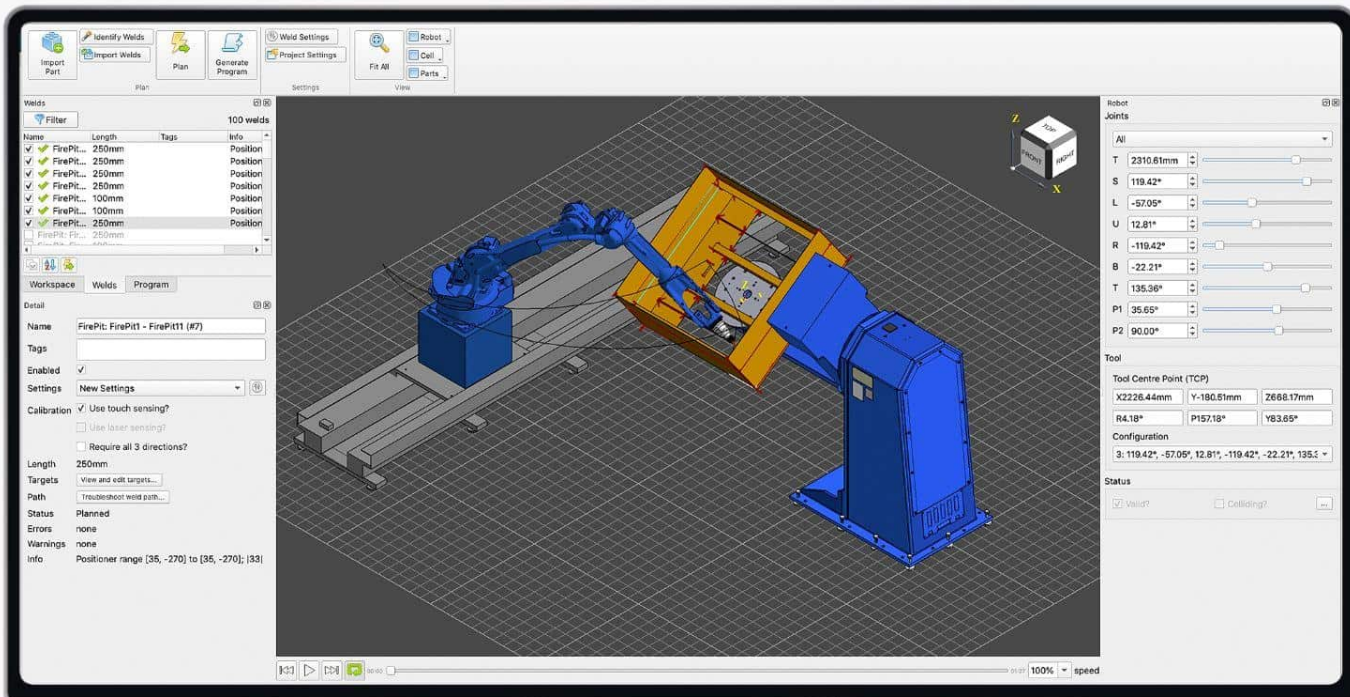
- The application developed for the oil and gas industry automates the welding process for pipes of diameter ranging from 6-8 inches. The process involves welding from inside as well as outside with well precision and accuracy.
- The project is based on the IoT platform and establishes server to server communication and server to client communication.
- Integration of various cameras and sensors to perform precise welding and rotation and movement modules to move the torch in various positions.

Tech Stack



express





# Case Studies

AI/ML

CRP/ERM/Internal Systems

Inventory Management

Internet of Things (IoT)

Logistics & Supply Chain

Platforms

RPA

SAP

## One of India's Largest Consumer Goods Companies

Created a platform for communication and functions like outlet target publishing and stock adjustment.

Performance Optimization

ERP

Agile Development

**65%**

Enhanced Data  
Management

**100%**

Strengthened  
Security

**3X**

Enhanced User  
Experience

# Solutioning

## Challenges

- Integrating multiple technologies and ensuring seamless communication and data flow between them.
- Ensuring the handling of increasing user loads and data volumes while maintaining performance.
- Developing rich, responsive user interfaces while ensuring compatibility across different browsers and devices.

## Technical Spotlight

- Implemented Spring's modular architecture to facilitate easier integration between components.
- Implemented load balancing and clustering techniques with Tomcat server for horizontal scalability.
- Leveraged jQuery and AJAX for asynchronous data loading and dynamic content updates.

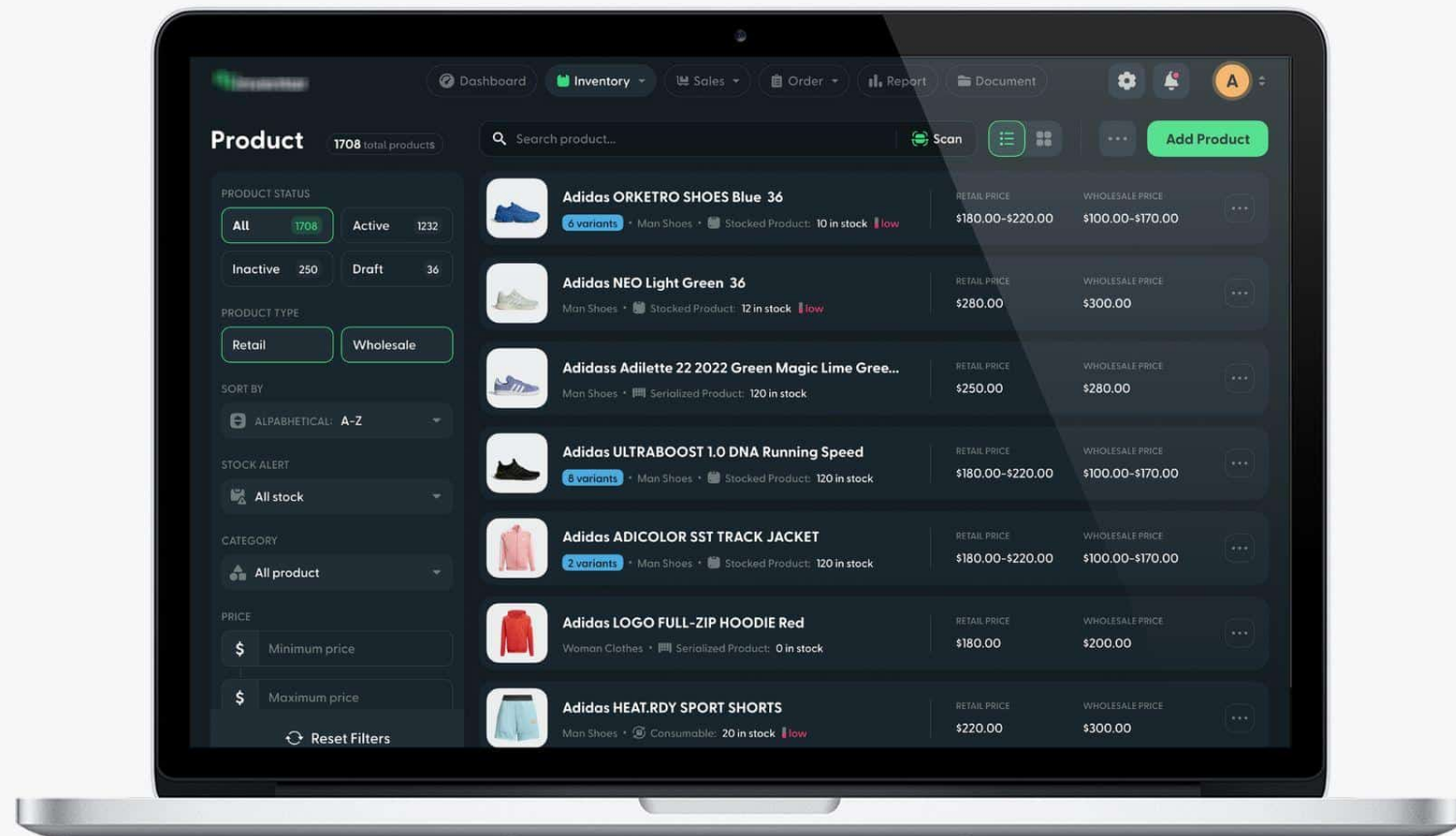
## Solution Highlights

- Enabled easier integration and reduced dependencies for a more maintainable and extensible platform.
- Ensured reliable performance and availability even under heavy loads.
- Improved user satisfaction and retention rates, resulting in a more user-friendly platform.

## Tech Stack







# Case Studies

AI/ML

CRP/ERM/Internal Systems

Inventory Management

Internet of Things (IoT)

Logistics & Supply Chain

Platforms

RPA

SAP

## A US-based Manufacturer of Industrial Fabrics and Coated Textiles

Developed a system to automate data extraction processes and manage work progress.

Parallel Processing

Real-time Analytics

ETL

Data Warehousing

**4X**

**Increased Data  
Accessibility**

**65%**

**Improved  
Data Analysis**

**46%**

**Better  
Integration**

# Solutioning

## Challenges

- Integrating data from diverse sources (Oracle, MySQL) into the Hadoop ecosystem.
- Coordinating development tasks, tracking progress, and managing issues among team members.
- Maintaining data consistency and quality across different databases and during the ETL process.

## Technical Spotlight

- Use Sqoop for efficient data import/export between relational databases.
- Used JIRA as a project management tool to facilitate team collaboration, track tasks, and manage issues.
- Implemented data governance policies and quality checks using Apache Hive.

## Solution Highlights

- Streamlined data integration, enabling seamless exchange of data between databases and Hadoop ecosystem.
- Facilitated efficient collaboration and coordination among team members.
- Ensured data consistency and quality are maintained across different databases.

## Tech Stack



Scala



CLUDERA



ORACLE  
DATABASE 11g



Linux





### Health ?



Time 14% ahead of schedule.



Tasks 12 tasks to be completed.



Workload 0 tasks overdue.



Progress 14% complete.

Cost 42% under budget.



### Time ?

● Ahead ● Behind ● On Time

Planned Completion 0%

Actual Completion 14%

Ahead 14%



### Tasks ?

● Not Started (10) ● Complete (6) ● In Progress (2)



### Cost ?

● Actual ● Planned ● Budget



### Progress ?



### Workload ?

● Completed ● Remaining ● Overdue



# Case Studies

AI/ML

CRP/ERM/Internal Systems

Inventory Management

Internet of Things (IoT)

Logistics & Supply Chain

Platforms

RPA

SAP

## An Indian Multinational Automotive Manufacturing Corporation

Created a platform to facilitate diagnosis, troubleshooting, and resolution of issues in the production process.

Cross-Platform Compatibility

Database Management

Security

Version Control

**74%**

**Streamlined  
Manufacturing**

**3X**

**Better Data  
Management**

**100%**

**Seamless Server  
Operations**

# Solutioning

## Challenges

- Ensuring seamless compatibility and performance across various Windows server versions.
- Designing the platform to scale effectively as the production process and data volume grow over time.
- Managing concurrent user sessions and data transactions effectively to prevent data inconsistencies.

## Technical Spotlight

- Utilized Core Java for platform development to ensure consistency and compatibility across servers.
- Designed a scalable architecture using Windows Server platforms to accommodate future growth.
- Leveraged Core Java's threading capabilities and synchronization mechanisms.

## Solution Highlights

- Ensured compatibility across different Windows server versions, minimizing compatibility issues.
- Enabled the platform to seamlessly accommodate future growth.
- Ensured data consistency and prevents conflicts during concurrent operations.

## Tech Stack





Reactor1 RUNNING

WO\_ED\_01

Cooking

Operation

0

Sequence Number

Item SF02(Semi Finished 2)

Req. Qty. 10

Deviation 5.0

Bad Production 0.0

150.00

Kilogram

Queue Produce BOM Consume Spec Utilization Performance

Details

Edit

Delete

Start

Suspend

Cancel

Complete

Refresh

Filter

Current Filter: Status=READY, RUNNING, SUSPENDED, COMPLETE / Date=Last 8 Hours; Auto Refresh=60

Item ID	Work Order	Operation	Sequence Number	Req. Qty.	Status	Entity
SF01	WO_Copy_18	Cooking	0	5000	RUNNING	Reactor2
SF02	WO_ED_01	Cooking	0	1000	RUNNING	Reactor1
SF01	newWO	Blending	0	120	SUSPENDED	Blender1
SF01	WO_202404_SF01	Blending	0	1000	RUNNING	Blender1
FP01	1234	2	0	500	READY	
FP01	14	3	0	0	READY	
FP01	WOHear_2	2	0	500	READY	
FP01	WOHear_3	2	0	300	READY	
FP01	WOHear_4	2	0	500	READY	
FP01	WOHear_5	1	0	500	READY	
FP01	WOHear1	2	0	500	READY	
FP02	WO_ED_002	2	0	1000	READY	
SF01	WOwithSpec	Cooking	0	120	READY	
SF01	18	Cooking	0	6400	READY	
SF01	26	Cooking	0	0	READY	
SF01	WO_202404_SF01	Cooking	0	1000	READY	

## Job Details

Job Description

Cooking

Batch Size

1

Start Qty.

1000.00

Req. Qty.

1000.00

Job Priority

50

Latest Start Time

Due Date

Est.Finish Time

5/26/2024 12:28:56 PM

Notes

# Case Studies

AI/ML

CRP/ERM/Internal Systems

Inventory Management

Internet of Things (IoT)

Logistics & Supply Chain

Platforms

RPA

SAP

## A Globally Renowned Electronics Company

Built a Data Generation System (DGS) to aid in PCB designing.

Platform Dependency

Database Management

UI/UX

Scalability

**5X**

**Increased  
Efficiency**

**48%**

**Improved  
Integration**

**70%**

**Better Risk  
Management**



# Solutioning

## Challenges

- Managing large volumes of data efficiently within MS SQL 2008 for optimal performance and scalability.
- Developing a platform with complex, intuitive and visually appealing interfaces.
- Ensuring robust security measures to protect against threats.

## Technical Spotlight

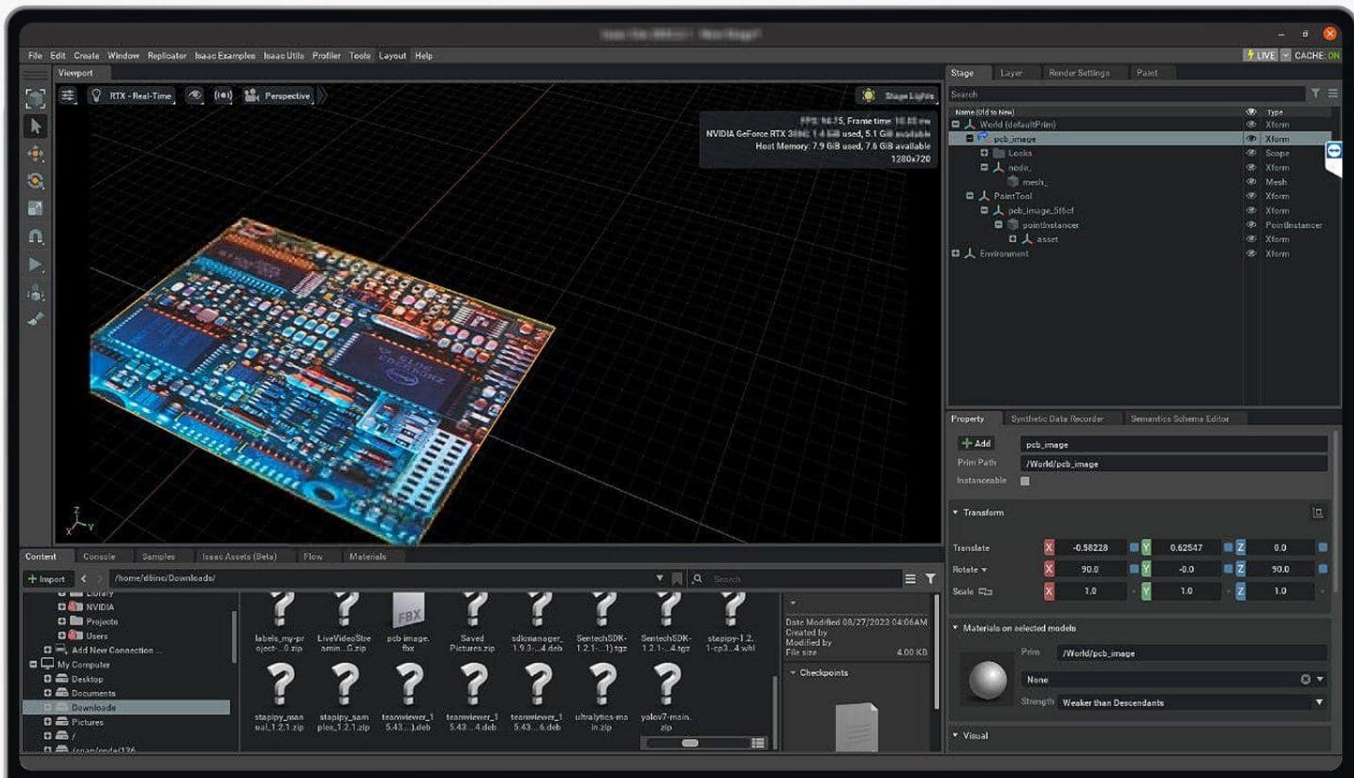
- Used MS SQL 2008's advanced features for efficient data handling, facilitating fast and reliable data generation.
- Adopted WPF's MVVM design pattern and modular development to simplify UI creation.
- Implemented encryption, authentication, and access control with WAF.

## Solution Highlights

- Guaranteed fast and reliable data generation, improving productivity and enabling timely decision-making.
- Enhance user engagement, increasing overall user satisfaction.
- Safeguarded sensitive data and maintained user trust and compliance with regulations.

## Tech Stack





# Case Studies

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RPA

SAP

## A Leading German Automotive Manufacturer

Developed an intranet portal for centralizing HR activities, internal communication, and collaboration.

SharePoint Implementation

Information Consolidation

HR Centralization

Scalability

**8X**  
Improved  
Communication

**50%**  
Increased  
Accessibility

**97%**  
Enhanced  
Security

# Solutioning

## Challenges

- Maintaining robust security measures to protect sensitive data stored from unauthorized access or cyber threats.
- Meeting diverse customization needs of departments within the company while maintaining consistency.
- Managing and updating legacy code within the intranet platform.

## Technical Spotlight

- Implemented RBAC mechanisms within SharePoint ensuring that users can only access relevant information.
- Leveraged SharePoint's customization capabilities, such as master pages, web parts, and workflows.
- Utilized ASP.NET and C# programming languages to improve maintainability, enhance performance, and incorporate new features seamlessly.

## Solution Highlights

- Ensured that sensitive data is protected from unauthorized access, maintaining data integrity.
- Improved satisfaction and productivity by providing customized solutions.
- Enhanced code readability, modularity, and scalability, making it easier to maintain and update the platform in the long run.

## Tech Stack





#### HUMAN RESOURCES

## Share Your Work From Home Workstation Setup

10/14/2020 by Alexis Fox

#### Human Resources

### Open Enrollment Starts Today! Time to Choose Your Health Plan for This Upcoming Year

10/14/2020 by Alexis Fox

#### Human Resources

### Superior Customer Service Helps Our Company Grow

7/13/2020 by Julius Kerby

#### Human Resources

### 12 Reasons to Celebrate at Work

7/9/2020 by Alexis Fox

#### Launch Pad



Workday



DocuSign



Zoom



Office 365



Salesforce

#### Upcoming Events

FEB Internal Planning

#### Upcoming Birthdays and Anniversaries

#### HR Documents

Community Guidelines


#### HR Navigation

 Policies and Procedures

 Job Openings

 Benefits Information

 Open Enrollment


 Payroll Center

 Onboarding

 Recognition Center

 Career and Development

 Information Technology

 Travel and Expense

 Health and Safety

 Compliance

 HR Legal

#### Key People





# Inventory Management

# Case Studies

AI/ML

CRP/ERM/Internal Systems

Inventory Management

Internet of Things (IoT)

Logistics & Supply Chain

Platforms

RPA

SAP

## A Premier Provider of Calibration, Temperature, and Maintenance Solutions

Created a comprehensive solution to streamline inventory management, purchase orders, and sale indents.

Inventory Management

Real-time Tracking

Scalability

Barcode and QR Code

**68%**

Improved  
Efficiency

**54%**

Increased Data  
Accuracy

**4X**

Optimized  
Reporting

# Solutioning

## Challenges

- Integrating barcode and QR scanners seamlessly despite compatibility issues and varying data formats.
- Ensuring data security and privacy, especially with sensitive information such as inventory and client data.
- Developing a system that functions seamlessly across multiple operating systems.

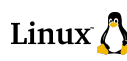
## Technical Spotlight

- Utilize PHP libraries for barcode and QR code processing, ensuring compatibility across data formats.
- Implemented MySQL's encryption functions and SQLite's access control features.
- Employed PHP, CSS, HTML, and XML for cross-platform compatibility, and the MVC architecture to abstract platform-specific details.

## Solution Highlights

- Ensured seamless integration of barcode and QR scanners, simplifying development and improving usability.
- Enhanced data security, instilling trust among users.
- Enabled consistent functionality across different operating systems, expanding the platform's accessibility to users.

## Tech Stack





Inventory									
<ul style="list-style-type: none"> <li>Dashboard</li> <li>Contacts</li> <li>Items</li> <li>Sales Orders</li> <li>Packages</li> <li>Invoices</li> <li>Purchase Orders</li> <li>Bills</li> <li>Integrations</li> <li>Reports</li> <li>ACTIVE CHANNELS</li> </ul>	All Orders								
	<a href="#">+ New</a> <a href="#">Page Tips</a>								
	DATE	SALES ORDER#	REFERENCE#	CUSTOMER NAME	STATUS	INVOICED	PACKED	SHIPPED	AMOUNT
	09/10/2018	SO-00153	1069	Raymond Wade	DRAFT				Rs.11.25
	10/08/2018	SO-00151		Patsy Carroll	CONFIRMED				\$1,000.00
	10/08/2018	SO-00150		Camille Bryant	CLOSED				\$1,000.00
	18/06/2018	SO-00148	1065	Nettie Lindsey	DRAFT				Rs.101.25
	13/06/2018	SO-00146		Calvin Gilbert	CONFIRMED				\$430.00
	14/05/2018	SO-00145		Tami Byrd	CLOSED				\$732.00
	11/05/2018	SO-00144		Jacqueline	DRAFT				\$732.00
	11/04/2018	SO-00143		Charlie Owens	CLOSED				\$600.00
	11/04/2018	SO-00142		Raymond Wade	CLOSED				\$10.00
	05/04/2018	SO-00141		Charles Becker	CLOSED				\$732.00
	05/04/2018	SO-00140		Cynthia Parsons	APPROVED				\$732.00
	05/04/2018	SO-00139		Edgar Leonard	CONFIRMED				\$3,495.00
	05/04/2018	SO-00138		Aaron Brown	CLOSED				\$33.00

# Case Studies

AI/ML

CRP/ERM/Internal Systems

Inventory Management

Internet of Things (IoT)

Logistics & Supply Chain

Platforms

RPA

SAP

## One of the Largest Steel Companies Globally

Developed an in-house web application focusing on production, consumption, and wastage.

Database Management

Version Control

Security

Inventory Management

**65%**

**Improved Data  
Management**

**4X**

**Enhanced  
Efficiency**

**100%**

**Strengthened  
Security**

# Solutioning

## Challenges

- Managing continuous deployment of updates and new features while minimizing downtime.
- Designing intuitive and user-friendly interfaces for manual data entry and visualization.
- Handling large volumes of production, consumption, and wastage data across multiple locations and plants.

## Technical Spotlight

- Implemented CI/CD pipelines for automated testing and deployment of updates.
- Leveraged Angular 9 framework for building dynamic and responsive user interfaces.
- Utilized PostgreSQL for efficient data storage, retrieval, and management.

## Solution Highlights

- Streamlined the deployment process, enabling rapid and error-free delivery of updates and new features.
- Enhanced user engagement and productivity.
- Facilitated efficient storage and retrieval of large datasets, ensuring smooth data management.

## Tech Stack





# Case Studies

AI/ML

CRP/ERM/Internal Systems

Inventory Management

Internet of Things (IoT)

Logistics & Supply Chain

Platforms

RPA

SAP

## A Leading Manufacturer and Supplier of Laboratory and Scientific Equipment

Designed an app to track inventory, manage machine statistics, and provide portable data access.

Inventory Management

Statistics Tracking

Scalability

Portable Data Access

**70%**  
Improved  
Decision-Making

**4X**  
Boosted  
Productivity

**54%**  
Improved Data  
Accessibility

# Solutioning

## Challenges

- Ensuring seamless compatibility and functionality across various operating systems and devices.
- Synchronizing data between mobile devices and web interfaces in real-time to maintain consistency.
- Designing the system to handle increasing user loads and data volumes without compromising performance.

## Technical Spotlight

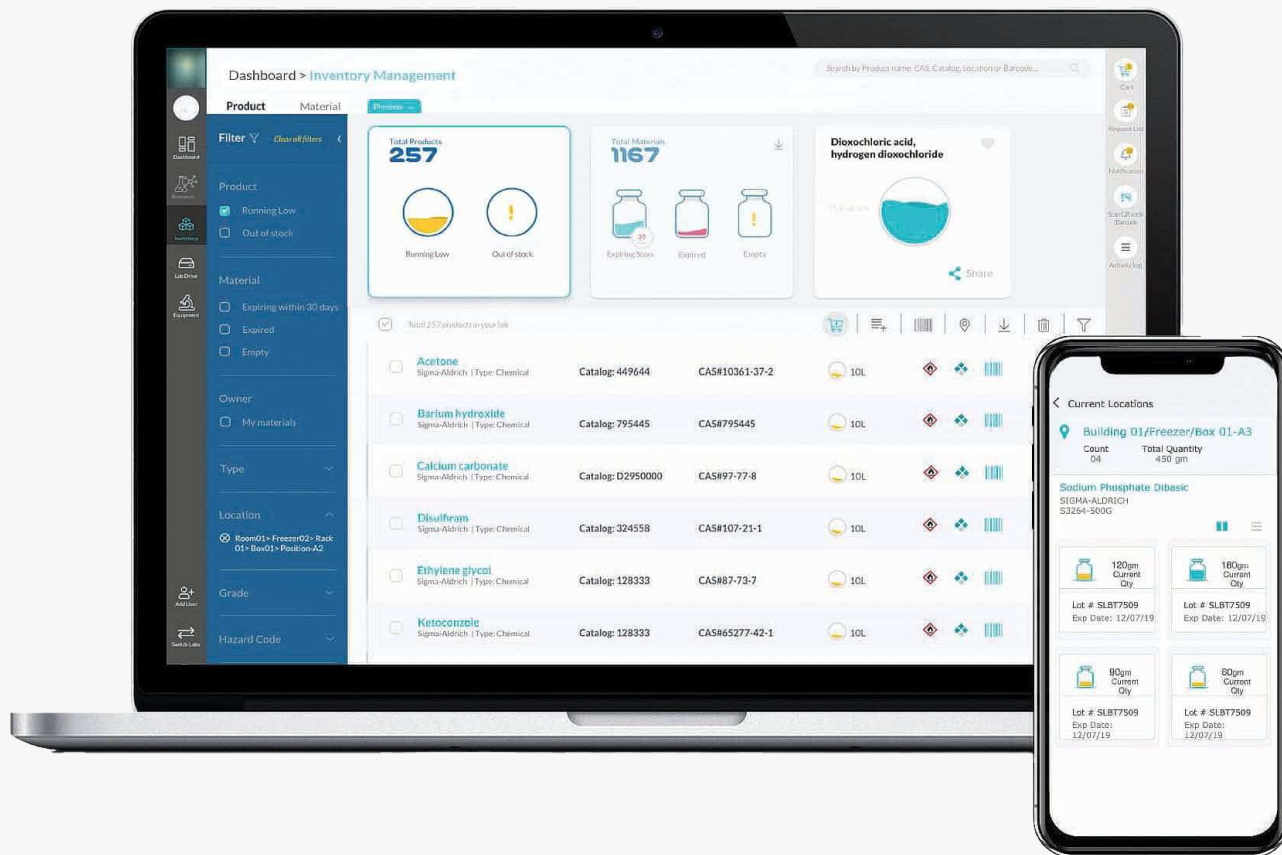
- Implemented CSS, HTML, and JavaScript, creating a responsive design.
- Utilized WebSockets for real-time bidirectional communication between the mobile app and web server.
- Deployed the server-side components on UNIX/Linux servers, offering scalability, stability, and robustness.

## Solution Highlights

- Ensured optimal viewing and interaction experience across devices, improving user satisfaction.
- Allowed users to collaborate real-time and make informed decisions.
- Ensured scalability, reliability, and performance, allowing the platform to handle growing user demands effectively.

## Tech Stack





# Case Studies

AI/ML

CRP/ERM/Internal Systems

Inventory Management

Internet of Things (IoT)

Logistics & Supply Chain

Platforms

RPA

SAP

## A Prominent Snack Manufacturer Known for its Wide Range of Brands

Developed a custom web application for delivery management, inventory control, and accounting.

Cross-Platform Compatibility

Inventory Control

UI/UX

Data Security

**2X**

**Better Order  
Management**

**60%**

**Improved  
Inventory Control**

**44%**

**Increased  
Efficiency**



# Solutioning

## Challenges

- Ensuring fast loading times and smooth user experience, particularly with dynamic content.
- Ensuring consistent performance and appearance across different web browsers.
- Creating a feature-rich and responsive user interface.

## Technical Spotlight

- Employed CSS 3 for minification and compression, and JavaScript for lazy loading and caching.
- Leveraged HTML and CSS to ensure consistent rendering across devices and browsers.
- Used Backbone.js to simplify frontend development.

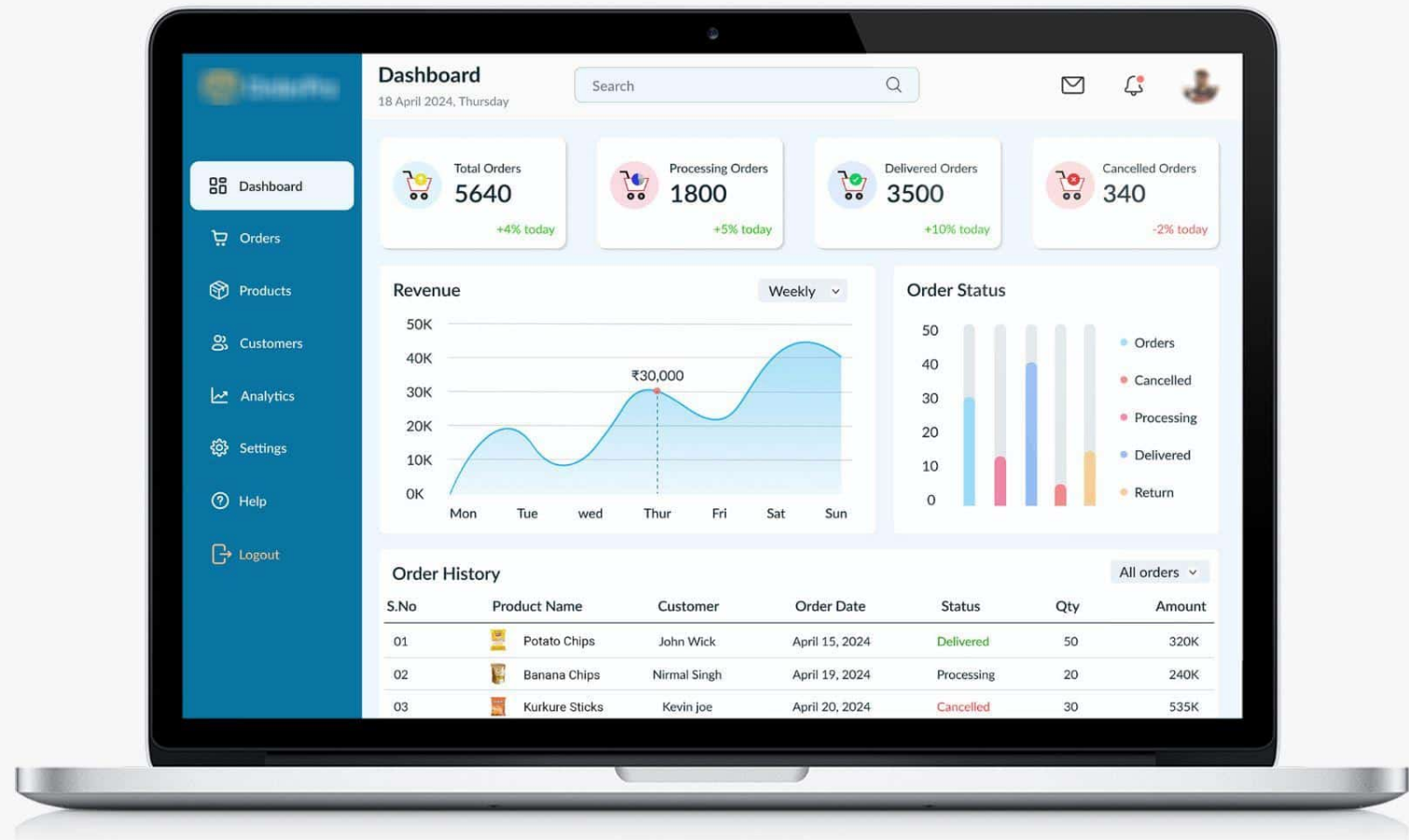
## Solution Highlights

- Guaranteed faster loading times and a smoother user experience with the JavaScript integration.
- Ensured consistent rendering across browsers for a uniform experience.
- Streamlined frontend development, enabling efficient creation of engaging user interfaces.

## Tech Stack



BACKBONE.JS



# Case Studies

AI/ML

CRP/ERM/Internal Systems

Inventory Management

Internet of Things (IoT)

Logistics & Supply Chain

Platforms

RPA

SAP

## One of the Largest Electronics Companies in the World

Created an inventory system facilitating stock tracking, data visualization, and user management functionalities.

Inventory Tracking

Data Visualization

UI/UX

Database Integration

**78%**  
Improved Stock  
Tracking

**7X**  
Better Data  
Visualization

**50%**  
Enhanced User  
Management

# Solutioning

## Challenges

- Implementing user roles and permissions, and managing users and customers efficiently.
- Ensuring consistent performance and appearance across different web browsers.
- Generating dynamic and interactive graphs to visualize inventory data.

## Technical Spotlight

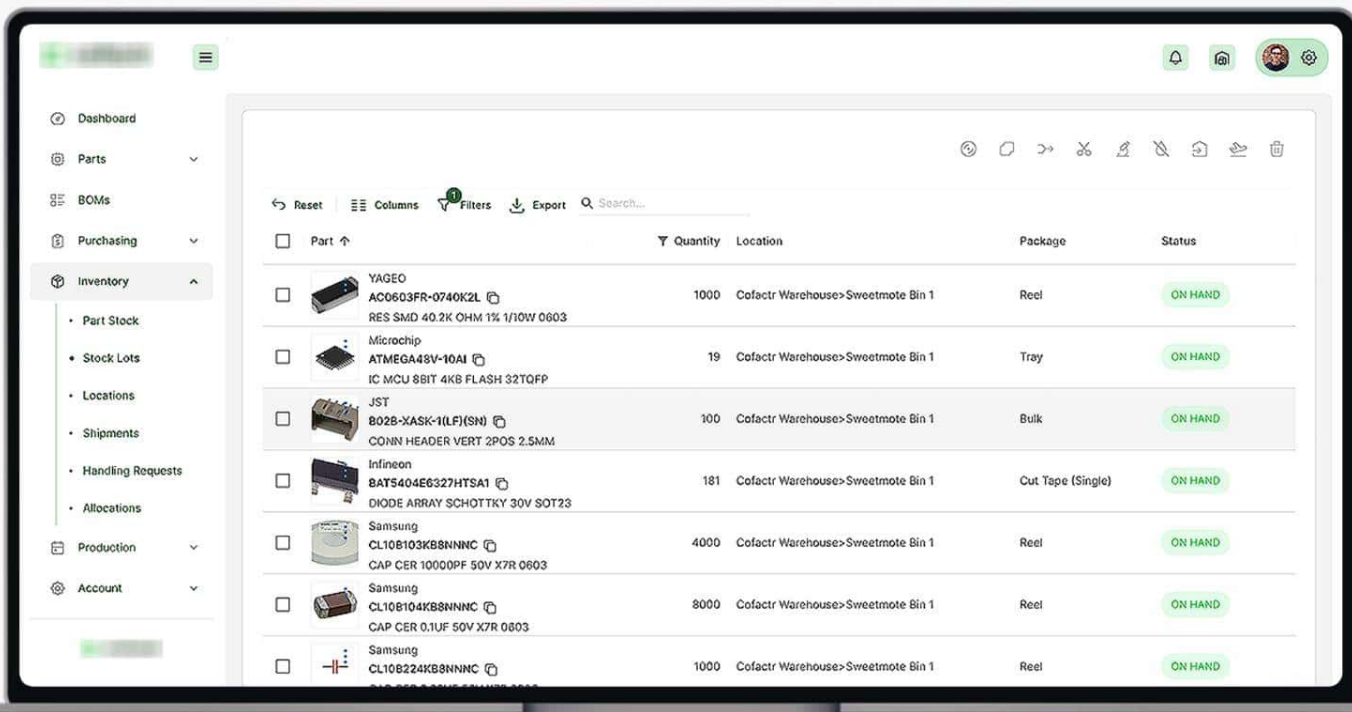
- Integrated jqGrid to facilitate efficient management of users and customers within the system.
- Utilized CSS frameworks to ensure consistent styling and layout across different browsers.
- Leveraged Hi-Charts and jQuery to create dynamic and interactive graphs for data visualization.

## Solution Highlights

- Enabled admin to easily view, edit, add, and delete user and customer records, enhancing overall system efficiency.
- Reduced compatibility issues and enhanced usability.
- Allowed the creation of visually appealing, interactive graphs, representing complex inventory data effectively.

## Tech Stack





# Case Studies

AI/ML

CRP/ERM/Internal Systems

Inventory Management

Internet of Things (IoT)

Logistics & Supply Chain

Platforms

RPA

SAP

## A Leading Multinational Manufacturer and Distributor of Building Materials

Built an inventory management system with flexible stock tracking, reporting, and role-based authentication.

Inventory Management

Reporting

Scalability

User Authentication

**6X**

**Dynamic Data  
Handling**

**76%**

**More Robust  
Reporting**

**100%**

**Secure  
Authentication**

# Solutioning

## Challenges

- Ensuring robust security measures to protect sensitive inventory data from unauthorized access and breaches.
- Designing a user-friendly interface that accommodates diverse user needs and preferences.
- Managing and manipulating large volumes of inventory data efficiently.

## Technical Spotlight

- Utilized JSP/Servlet for server-side processing, enabling secure handling of user requests and data transactions.
- Leveraged AngularJS to facilitate the development of dynamic and responsive user interfaces.
- Integrated Java Hibernate for its ORM capabilities, simplifying database operations and enhancing efficiency in managing complex data.

## Solution Highlights

- Provided a secure environment for server-side logic, ensuring robust data protection.
- Enhanced user satisfaction and platform usability.
- Improved performance and scalability while managing large volumes of inventory data effectively.

## Tech Stack







Tasks

Leads

Work Orders

Sales

Finance

Inventory

Clients

Analytics

Reports

Calls

Settings

## Analytics

Help

Dashboard

Company Insights

Assortment Analysis

Document types

Period

Location

Category

Group by

All

Work Orders

Sales

Jun 1, 2023 — Jun 19, 2023

Electrical Contractors

All products

Products

Apply

Settings

Name	Margin	Markup	Quantity	Price, \$		Cost, \$		Gross profit, \$
				Per unit	Total	Per unit	Total	
Mounting glue Tytan Hydro Fix transparent 310 ...	54%	156%	1	370	370	130	130	203
Face brick Euroton Red	60%	150%	1	30	30	12	12	18
Foam EPS 50 (12*12.9 kg/m³)	34%	53%	1	2,300	2,300	1,500	1,500	800
Normalzol Alenor K2 double-sided butyl rubber ...	18%	30%	1	310	310	190	190	58
Asbestos-free slate 8-wave short 875x1130x5.8	0%	-30%	1	160	160	160	160	-48
Bitumen-rubber mastic Grover Dysperbit DB+ 1...	0%	-79%	1	900	900	860	860	-680
Tile glue Polymix P-12 25 kg	44%	81%	2	290	580	160	320	260
Bitugum waterproofing roofing mastic	22%	32%	2	400	800	280	560	180
Slate die is dark gray	50%	100%	3	950	2,880	480	1,440	1,440
Contact glue Pattex Extreme 120 ml	23%	32%	5	178	890	130	650	208
Total:	26%	41%	18	\$ 9,220		\$ 5,822		\$ 2,439

# Internet of Things (IoT)



# Case Studies

AI/ML

CRP/ERM/Internal Systems

Inventory Management

Internet of Things (IoT)

Logistics & Supply Chain

Platforms

RPA

SAP

## Technology Solution Provider for Manufacturers in Saudi Arabia

Engineered an IoT-based solution for industrial equipment monitoring.

Industrial IoT

Sensors

API Integration

Data Analytics

**10X**  
Improved  
Visibility

**9X**  
Accelerated  
Operations

**80%**  
Operational  
Insights

# Solutioning

## Challenges

- Difficulty in keeping a track of equipment performances that have been added to the production line.
- Minimize unplanned downtime and establish transparency throughout the equipment's lifecycle.
- Lack of system that could capture the production milestones and perform analysis to derive the gaps.

## Technical Spotlight

- Connecting PLC, controllers, and sensor-based devices to one platform.
- For serving machine views, Express.JS HTTP server has been used.
- Connecting devices to the SAP Cloud.

## Solution Highlights

- Manufacturing process orchestration by real-time tracking.
- Show real-time dashboards of the machine on the shop floor, generate reports and KPIs.
- Handling massive amounts of data emitted by sensors.
- Enable safe and secure operations, monitor equipment availability, condition, and performance.

## Tech Stack





# Case Studies

AI/ML

CRP/ERM/Internal Systems

Inventory Management

Internet of Things (IoT)

Logistics & Supply Chain

Platforms

RPA

SAP

## A Leading Provider of Innovative Data-driven Industrial AI Solutions

Developed an Android application for IoT monitoring in manufacturing plants.

IoT

Real-time Alerts

User Authentication

Security

**4X**

Improved  
Efficiency

**100%**

Secure Access  
Control

**62%**

Increased  
Productivity

# Solutioning

## Challenges

- Integrating various components like IoT monitoring, real-time alerts, and secure authentication.
- Ensuring robust security measures to protect sensitive manufacturing data and prevent unauthorized access.
- Managing large volumes of data from IoT devices efficiently and securely.

## Technical Spotlight

- Used Kotlin for modular development to break down the project into manageable components.
- Implemented secure authentication mechanism Okta SSO and ensured data encryption.
- Implemented efficient data storage and retrieval mechanisms with SQLite and DAO.

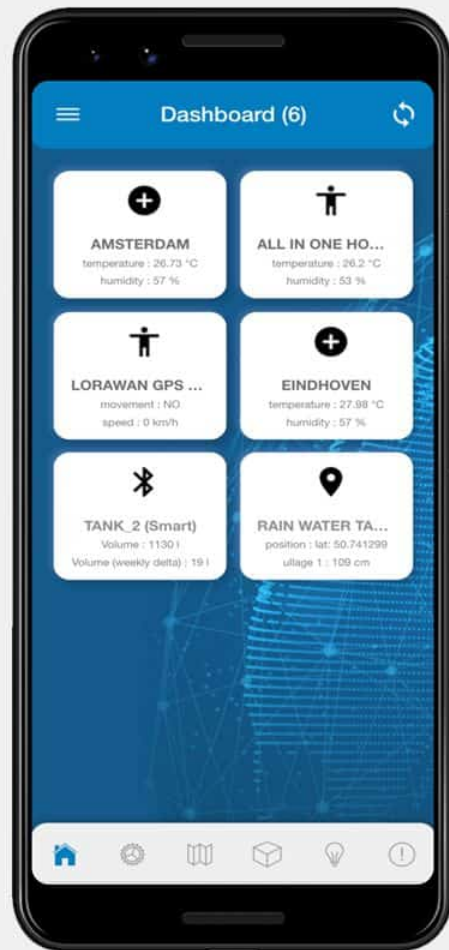
## Solution Highlights

- Facilitated smoother integration of components, reducing complexities and enhancing project efficiency.
- Ensured the protection of sensitive manufacturing data.
- Ensured seamless storage and retrieval of large volumes of data from IoT devices.

Tech Stack









# Case Studies

AI/ML

CRP/ERM/Internal Systems

Inventory Management

Internet of Things (IoT)

Logistics & Supply Chain

Platforms

RPA

SAP

## A Multifaceted Conglomerate Spanning Various Industries

Created a deep learning and IoT-based solution for quality analysis in tractor production lines.

IoT

API Integration

Automation

Scalability

**53%**

Enhanced  
Scalability

**75%**

Improved User  
Experience

**4X**

Enhanced Data  
Visualization

# Solutioning

## Challenges

- Optimizing platform performance to minimize loading times and ensure smooth user interactions.
- Handling real-time data updates and interactions efficiently to provide timely and accurate information to users.
- Safeguarding sensitive user and organizational data from potential security breaches and vulnerabilities.

## Technical Spotlight

- Utilized Python and Flask frameworks to optimize code performance and identify and eliminate bottlenecks.
- Leveraged AJAX technology to enable asynchronous data processing and real-time updates.
- MySQL 5.0's security features and Google API's authentication mechanisms were utilized.

## Solution Highlights

- Improved platform performance and reduced loading times, enhancing overall user satisfaction.
- Provided users with timely information, improving the overall user experience.
- Ensured robust protection of sensitive user and organizational data, mitigating security risks and vulnerabilities.

## Tech Stack



[TRACTORS](#)[IMPLEMENTS](#)[About Us](#) [Blogs](#) [English](#)[Get Price](#)[Service](#)[Find Dealer](#)[Search](#)[HOME](#) > [Digisense](#)

Track your Tractor

**Stay connected with our  
Next Generation AI-driven app.**



## Overview

Digisense 4G is the Next Gen AI (Artificial Intelligence) driven open Architecture connected solution. Digisense 4G improves upon the successful Mahindra Digisense platform. This data driven app helps farmers track their tractors and control their farming activities remotely. It aims to empower farmers with data on their farming operations, which in turn will enable them to make more profitable decisions. This solution is compatible with 4G and a multitude of devices from smartphones to standard laptops. Now, nothing will escape the farmer's eye. He now holds his very own third-eye, in the palm of his hand.

[Need Help?](#)

# Case Studies

AI/ML

CRP/ERM/Internal Systems

Inventory Management

Internet of Things (IoT)

Logistics & Supply Chain

Platforms

RPA

SAP

## A Family-Run Company Specializing in Weighing Technology

Built an IoT-powered application to automate the materials weighing process.

Cloud Connectivity

IoT Integration

Automation

Remote Monitoring

**70%**

**Streamlined  
Operations**

**6X**

**Improved Safety  
Measures**

**47%**

**Increased  
Productivity**

# Solutioning

## Challenges

- Integrating various components such as IoT devices, cloud servers, and local databases.
- Ensuring seamless synchronization between local SQLite databases and cloud servers.
- Ensuring the platform can handle increased loads and scale effectively as the user base grows.

## Technical Spotlight

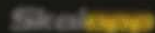
- Android (Java)'s modular development allowed for gradual integration of components.
- Utilized Retrofit library for RESTful API communication, enabling seamless synchronization.
- Employed Windows Server for cloud hosting and scalability.

## Solution Highlights

- Simplified integration with Java's modular development, enabling a smoother development process.
- Seamless synchronization between local databases and cloud servers.
- Ensured scalability, enabling the platform to handle increased loads and accommodate growth.

## Tech Stack



[Skalapp](#)[Skalapp DV](#)[Skalapp Online](#)[Service](#)[About](#)[News](#)[Contact](#)[SKALAPP ONLINE](#)

# WEIGHING WITHOUT LIMITS!

Increase the speed and efficiency of your wheeled loader, mobile crusher/screener or stationary conveyor belt operations with automatic, real-time Skalapp and Skalapp DV weighing systems. Both systems utilize today's most advanced technology for ensuring highly accurate weight measurements across a wide range of the most demanding environments.

[LEARN MORE →](#)

ČESKY  
ENGLISH



The image shows a warehouse environment with two large, grey industrial robotic arms positioned over a conveyor belt. The arms are reaching towards a yellow cardboard box on the belt. The background is filled with tall blue metal shelving units stacked with numerous yellow cardboard boxes. The floor is a light grey concrete. The overall scene depicts automated logistics and supply chain operations.

# Logistics and Supply Chain

# Case Studies

AI/ML

CRP/ERM/Internal Systems

Inventory Management

Internet of Things (IoT)

Logistics & Supply Chain

Platforms

RPA

SAP

## A Global Leader in Customized Plastics Solutions

Created a feature-rich mobile application making customer support more accessible.

Location Services

Social Media Integration

Security

UI/UX

**5X**

Improved Customer  
Support

**60%**

Increased  
Interactivity

**3X**

Enhanced  
Security



# Solutioning

## Challenges

- Managing smooth playback of videos and multimedia content while maintaining app performance.
- Handling large volumes of images and ensuring fast loading times without compromising app responsiveness.
- Integrating geolocation services for accurate location tracking and user convenience.

## Technical Spotlight

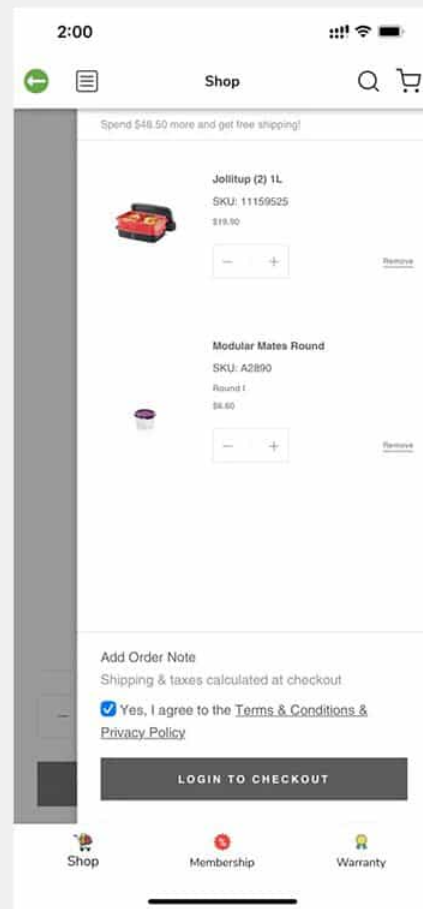
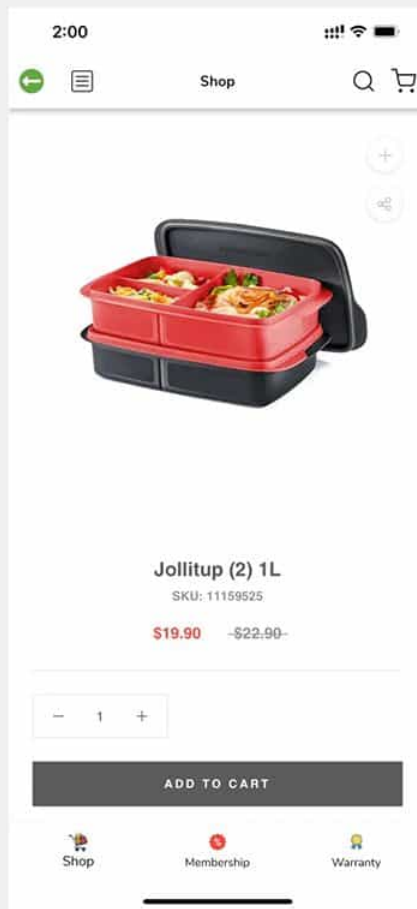
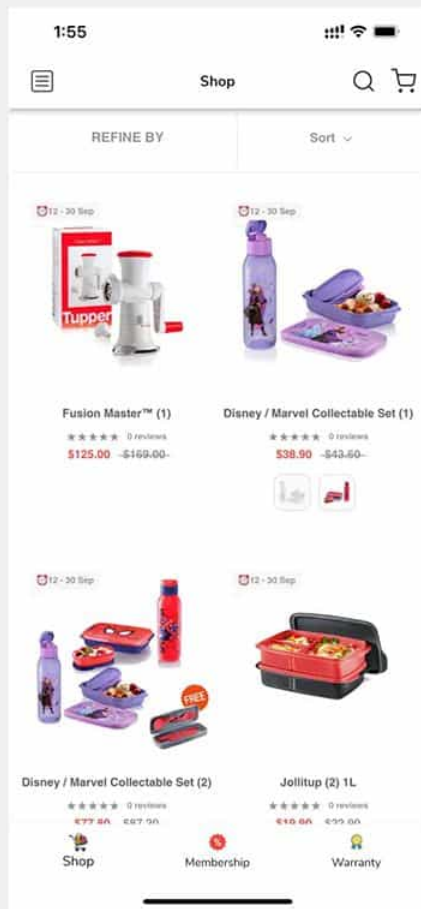
- Utilized AV Foundation and Media Player for efficient multimedia playback.
- Implemented SDWebImage for efficient image loading, caching, and handling.
- Utilized Core Location and Map Kit to integrate location-based services.

## Solution Highlights

- Provided smooth and uninterrupted playback of multimedia content, enhancing user satisfaction.
- Reduced loading times and improved overall app performance.
- Enhanced user convenience and utility by providing accurate location tracking and mapping functionalities.

## Tech Stack





# Case Studies

AI/ML

CRP/ERM/Internal Systems

Inventory Management

Internet of Things (IoT)

Logistics & Supply Chain

Platforms

RPA

SAP

## A Leading Payment Processing Company in the United States

Built an application to optimize the supply chain process from manufacturing to delivery.

Database Management

Version Control

Source Code Management

**2X**

Enhanced  
Decision-Making

**5X**

Efficient Project  
Management

**70%**

Improved Version  
Control

# Solutioning

## Challenges

- Implementing robust security measures to protect sensitive data and prevent unauthorized access.
- Managing version control and facilitating collaboration among those working on different projects/teams.
- Setting up automated CI/CD pipelines to facilitate continuous integration, testing, and deployment.

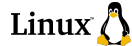
## Technical Spotlight

- Leveraged Django's built-in security features like authentication and secure password hashing.
- Implemented Git for version control to manage code changes, facilitate collaboration, and ensure consistency.
- Integrated Jira with CI/CD tools to automate build, test, and deployment processes.

## Solution Highlights

- Fortified the platform against common security threats, ensuring the safety of sensitive data and maintaining trust.
- Ensured smoother workflows and faster iteration cycles.
- Enabled automated testing and deployment, reduced manual effort, and accelerated time-to-market for new features.

## Tech Stack



Order delivery

Address details

City delivery

Intercity

International

Pick-up from


San Francisco

Delivery to


Sacramento

Type of service


Train




Truck



Copter



Airplane



Previous step

Next step

Order delivery


Pickup details

What are you sending?


Clothes

Documents


Choose box size



20x30



30x40



40x50

☒ Breakable items


☐ No prohibited items

Payment details

Assigned value

200\$

Payment method



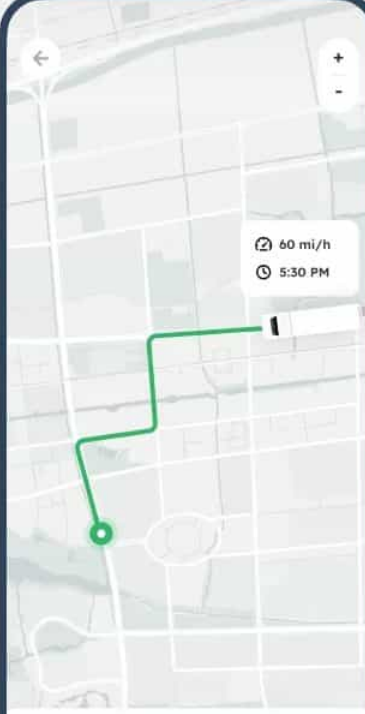
2654


Previous step

Accept

60 mi/h

5:30 PM



 Dominic Lucas  
Driver

# Platforms



# Case Studies

AI/ML

CRP/ERM/Internal Systems

Inventory Management

Internet of Things (IoT)

Logistics & Supply Chain

Platforms

RPA

SAP

## A Leading Producer of Spirits Known Globally for its Wide Range

Created a mobile and web application to showcase the diverse range of offerings.

Cross-Platform Accessibility

API Integration

Content Management

**38%**

Improved Brand  
Visibility

**2X**

Better Content  
Management

**45%**

Expanded Global  
Reach

# Solutioning

## Challenges

- Maintaining a consistent user experience across different devices and browsers.
- Protecting sensitive user data and preventing unauthorized access or breaches.
- Effectively managing and organizing large volumes of content.

## Technical Spotlight

- Implemented responsive CSS frameworks along with jQuery to ensure consistent user experience.
- Utilized MS SQL Server's encryption capabilities and access control mechanisms.
- Leveraged Kentico's taxonomy and tagging features to organize and categorize content.

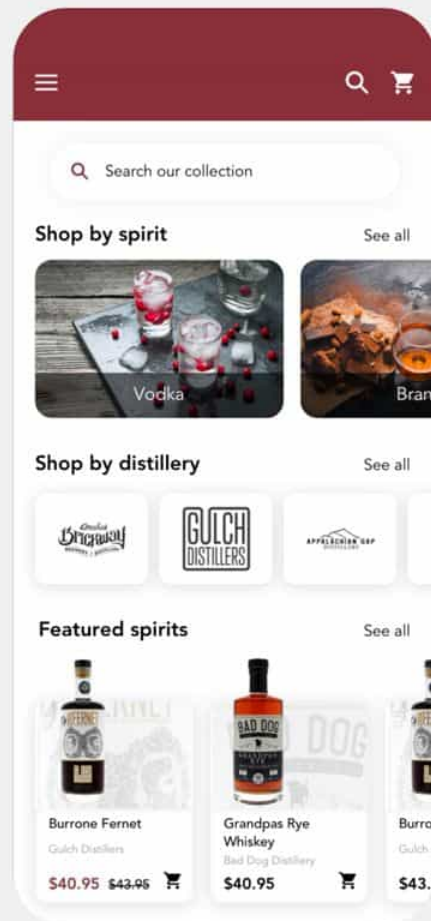
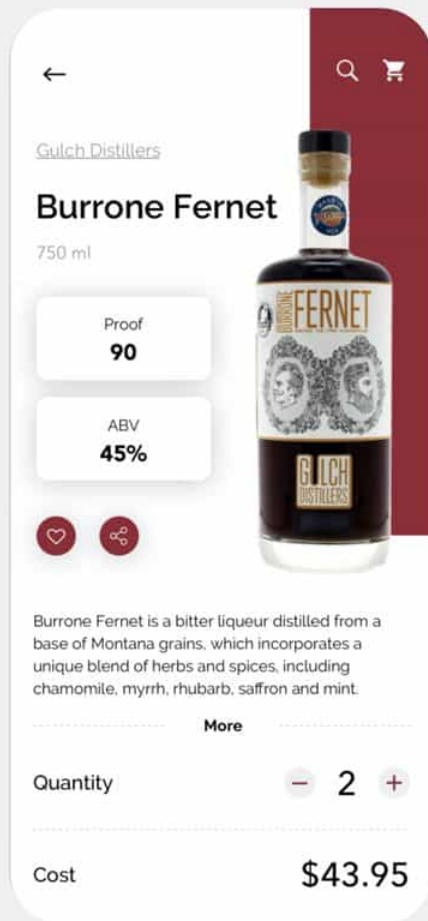
## Solution Highlights

- Ensured a seamless user experience across devices and browsers, enhancing user satisfaction.
- Protected sensitive user information from unauthorized access or breaches.
- Facilitated efficient content organization and management, enabling administrators to handle large volumes of content.

## Tech Stack







# Case Studies

AI/ML

CRP/ERM/Internal Systems

Inventory Management

Internet of Things (IoT)

Logistics & Supply Chain

Platforms

RPA

SAP

## A Major Integrated Steel Producer in India

Built a platform to showcasing and facilitating the purchase of steel products.

Database Management

UI/UX

Server Administration

Admin Dashboard

**55%**

Improved Product  
Visibility

**3X**

Optimized User  
Experience

**6X**

Increased  
Website Traffic

# Solutioning

## Challenges

- Managing a large inventory of products on the website regarding categorization and searchability.
- Implementing real-time communication features for inquiries and customer support.
- Ensuring scalability to handle increased traffic and data volume.

## Technical Spotlight

- Used Laravel's ORM to simplify database interactions, making it easier to manage complex product listings.
- Utilized jQuery plugins for real-time chat or communication features, reducing development complexity.
- Configured Windows Server for optimal performance and scalability, leveraging features like load balancing and caching.

## Solution Highlights

- Simplified product listing, enabling developers to organize and display products effectively on the websites.
- Enhanced user engagement, allowing for immediate responses to inquiries.
- Enabled the website to scale seamlessly with growing traffic and data volume, ensuring consistent performance and reliability.

## Tech Stack





## Providing Super Quality Steel

And Iron Products!

Enquire Now



### Steel Products



# Case Studies

AI/ML

CRP/ERM/Internal Systems

Inventory Management

Internet of Things (IoT)

Logistics & Supply Chain

Platforms

RPA

SAP

## A Manufacturer of High-quality Power Factor Correction Capacitors

Developed a multi-page website integrating animations, optimizing images, and showcasing all products.

Geolocation Services

UI/UX

Performance Tuning

Security

**78%**  
Improved  
Performance

**3X**  
Stronger Client  
Interaction

**60%**  
Better Data  
Management

# Solutioning

## Challenges

- Optimizing image load times using to ensure a fast and smooth user experience.
- Effectively and seamlessly integrating location-based services while adhering to guidelines.
- Securing data in the database to prevent breaches and unauthorized access.

## Technical Spotlight

- Utilized PHP to implement image compression techniques and used JavaScript for lazy loading.
- Leveraged PHP and JavaScript along with Google Maps API to ensure seamless integration.
- Implemented encryption and secure coding practices in PHP and MySQL, such as parameterized queries.

## Solution Highlights

- Improved load speeds, enhancing overall user experience and engagement.
- Enhanced functionality and user interaction, improving performance.
- Enhanced security measures protected sensitive data, maintaining user trust.

## Tech Stack





Products 

Platform 

Industries 

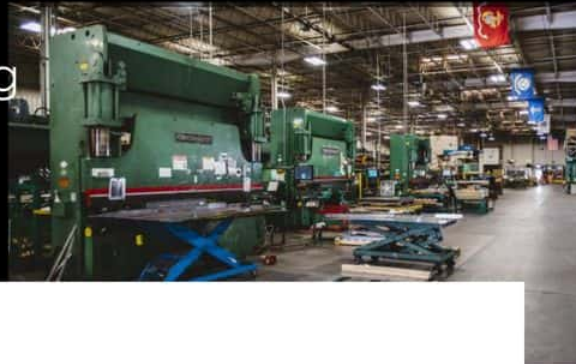
Resources 

TALK TO US

SEE A DEMO

# Production Monitoring

Driving Transparent, Real-Time Production Performance  
Powered by Kepware®



## Turn Real-Time Plant Floor Insights into Action

Seamless connectivity to machines gives you the real-time

# Case Studies

AI/ML

CRP/ERM/Internal Systems

Inventory Management

Internet of Things (IoT)

Logistics & Supply Chain

Platforms

RPA

SAP

## A Global Leader in Manufacturing Dental Products and Technologies

Established a strong online presence through the development of a dynamic and interactive website.

Templating and Styling

UI/UX

Performance Optimization

Version Control

**5X**  
Increased  
Functionality

**40%**  
More User  
Satisfaction

**6X**  
Enhanced  
Scalability



# Solutioning

## Challenges

- Ensuring the website functions correctly across different web browsers.
- Implementing Google Maps within the contact us page.
- Maximizing website speed and responsiveness for an optimal user experience.

## Technical Spotlight

- Utilize modern CSS and HTML features along with Sass for consistent styling and layout across browsers.
- The Google Maps integration was meticulously configured with precision API key management.
- Employed Twig templating for modularizing frontend code and facilitating collaboration.

## Solution Highlights

- Ensured consistent styling and layout, resulting in a seamless experience across different browsers.
- Carefully integrated Google Maps with detailed API configuration and seamless inclusion on the contact page.
- Streamlined development and maintenance for faster loading times and smoother user interactions.

## Tech Stack





Search items...



India EN USD

Sign in / Sign up

Home Catalogue Worldwide Setups Quality Certificates FAQ Contact us

0

## Categories

- Dental Simulators >
- Student Package >
- Practice Jaws
- Demonstration Jaws
- Columbia Dentoform - USA
- Zirc - USA >
- Dental Products
- 3D Printer, Resins & Accessories >
- Toys, Puppets & Jewellery

## Refine Your Search

### Price

US\$0.90 - US\$2450.

### Availability

☐ In stock (111)

### Sale

## Dental Products

Sort by: **Recommended**



Products: 1-24 of 114 Show: **24**



Dental Fast and Slow Hand piece

0.0 Add first review

US\$40



Insta Dam - USA Dental Rubber Dam Kit

5.0 Add first review

US\$81



Dental Rubber Dam Sheets

0.0 Add first review

US\$12



A close-up, low-angle shot of a white industrial robotic arm in a factory setting. The arm is positioned over a conveyor belt with electronic components. The background is blurred, showing other industrial equipment and green laser lights. The text 'Robotic Process Automation (RPA)' is overlaid in the center of the image.

# Robotic Process Automation (RPA)

# Case Studies

AI/ML

CRP/ERM/Internal Systems

Inventory Management

Internet of Things (IoT)

Logistics & Supply Chain

Platforms

RPA

SAP

## A Renowned Manufacturing & Exporting Agency

Built an automated order processing system to integrate vital business operations and for seamless export functions.

Automation

Data Management

User Experience

Analytics

**84%**

**Reduced Iterative  
Tasks**

**57%**

**Increased  
Productivity**

**100%**

**Data  
Transparency**

# Solutioning

## Challenges

- The existing order management system was unstructured and lacked value-add processes.
- The client processed the orders manually, consuming a lot of time and resources.
- Manual operations resulted in delayed order delivery, and unsatisfied customers.

## Technical Spotlight

- Used NET framework to simplify development for hassle-free user experience.
- Leveraged MongoDB for real-time and optimized analytics.
- Utilized UiPath to segregate and protect spaces for users to improve efficiency.

## Solution Highlights

- Migrated all manual order processes into robotic systems, ensuring a reduction in processing time and unnecessary wait times.
- Easy, quick, and streamlined order processing, invoice generation.
- Real-time shipment and other order-related notifications.

## Tech Stack



Dashboard

Orders

Inventory

Customers

Pricing

Returns

Analytics

Billing

Integrations

Locations

Quick setup 75%

Your Account

Dashboard Orders

## Orders

Search Orders...

Actions

Sync Orders

Import Orders

New Order

All

Processing

Completed

On Hold

Exception

More

+

Filters: [Show/Hide Details](#)

<input type="checkbox"/>	Shipment ID	Store ID	Import Date	Ship Date	Source	Customer	Fulfillment Cost	Status
<input type="checkbox"/>	<a href="#">17772738</a>		02/20/2020	02/20/2020		Jane Doe 16710748	\$0.00	<span>PROCESSING</span> <span>PACKED</span>
<input type="checkbox"/>	<a href="#">17772735</a>	46404	02/20/2020	02/20/2020	Shopify	Jane Doe 16710745	\$0.00	<span>PROCESSING</span> <span>PACKED</span>
<input type="checkbox"/>	<a href="#">17772730</a>		02/20/2020	02/20/2020		Jane Doe 16710740	\$0.00	<span>PROCESSING</span> <span>PICKED</span>
<input type="checkbox"/>	<a href="#">17772726</a>	46398	02/20/2020	02/20/2020	Shopify	Jane Doe 16710736	\$0.00	<span>PROCESSING</span> <span>PACKED</span>
<input type="checkbox"/>	<a href="#">17772723</a>		02/20/2020	02/20/2020		Jane Doe 16710733	\$0.00	<span>PROCESSING</span> <span>PACKED</span>
<input type="checkbox"/>	<a href="#">17772722</a>		02/20/2020	02/20/2020		Jane Doe 16710732	\$0.00	<span>PROCESSING</span> <span>PICKED</span>
<input type="checkbox"/>	<a href="#">17772719</a>	46396	02/20/2020	02/20/2020	Amazon	Jane Doe 16710729	\$0.00	<span>PROCESSING</span> <span>PICKED</span>
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<input type="checkbox"/>	<a href="#">17772710</a>		02/20/2020	02/20/2020		Jane Doe 16710720	\$5.72	<span>SHIPPED</span> <a href="#">🔗</a>
<input type="checkbox"/>	<a href="#">17772702</a>	46388	02/20/2020	02/20/2020	Shopify	Jane Doe 16710712	\$22.44	<span>SHIPPED</span> <a href="#">🔗</a>
<input type="checkbox"/>	<a href="#">17772699</a>		02/20/2020	02/20/2020		Jane Doe 16710709	\$5.72	<span>SHIPPED</span> <a href="#">🔗</a>
<input type="checkbox"/>	<a href="#">17772698</a>		02/20/2020	02/20/2020		Jane Doe 16710708	\$15.30	<span>SHIPPED</span> <a href="#">🔗</a>
<input type="checkbox"/>	<a href="#">17772692</a>	5321962020711	02/20/2020	02/20/2020	Amazon	Jane Doe 16710702	\$6.78	<span>SHIPPED</span> <a href="#">🔗</a>
<input type="checkbox"/>	<a href="#">17772689</a>	46382	02/20/2020	02/20/2020	Amazon	Jane Doe 16710699	\$4.66	<span>SHIPPED</span> <a href="#">🔗</a>
<input type="checkbox"/>	<a href="#">17772688</a>	46380	02/20/2020	02/20/2020	Amazon	Jane Doe 16710698	\$5.77	<span>SHIPPED</span> <a href="#">🔗</a>
<input type="checkbox"/>	<a href="#">17772687</a>		02/20/2020	02/20/2020		Jane Doe 16710697	\$11.42	<span>SHIPPED</span> <a href="#">🔗</a>
<input type="checkbox"/>	<a href="#">17772685</a>	46379	02/20/2020	02/20/2020	Shopify	Jane Doe 16710695	\$11.42	<span>SHIPPED</span> <a href="#">🔗</a>

# Case Studies

AI/ML

CRM/ERP/Internal Systems

Inventory Management

Internet of Things (IoT)

Logistics & Supply Chain

Platforms

RPA

SAP

## A Global Energy Management and Automation Solutions Manufacturer

Created an automated inspection system utilizing OCR technology.

OCR Integration

Data Visualization

Automation

Scalability

**75%**

**Streamlined  
Inspection**

**57%**

**Enhanced Data  
Management**

**3X**

**Improved  
Decision-making**

# Solutioning

## Challenges

- Managing real-time data streams while ensuring smooth processing and response times.
- Creating a user-friendly interface that provides a smooth experience for users.
- Ensuring the platform can handle increasing data volumes and user traffic over time.

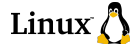
## Technical Spotlight

- Implemented asynchronous processing techniques in Python to handle real-time data streams.
- Utilized Angular 9 for frontend development, creating interactive and intuitive user interfaces.
- Utilized MongoDB's scalability features such as sharding to distribute data across multiple servers.

## Solution Highlights

- Ensured efficient handling of real-time data streams, minimizing processing delays and improving responsiveness.
- Enhanced user satisfaction and engagement.
- Enabled the platform to handle increasing data volumes and user traffic, ensuring reliable performance as the platform scales.

### Tech Stack





Overview

Products

Stations

Batches

Items

Tools

## Overview

Date: Last 7 Days Interval: Day Product Station Outcome + FILTERS

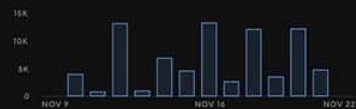
YIELD

98.7%



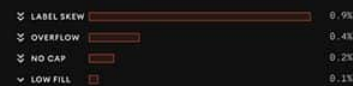
ITEMS INSPECTED

250,817



### MOST COMMON DEFECTS

% of items with defect



### MOST DEFECTIVE PRODUCTS

% of items with defect per product



# Case Studies

AI/ML

CRP/ERM/Internal Systems

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RPA

SAP

## One of the World's Largest Telecom Companies with a Wide Range of Services

Developed a project management system to automate risk assessment, resource planning, and more.

Agile Methodology

Project Management

Automation

Metrics Analysis

**6X**

**Improved Task  
Management**

**73%**

**Enhanced Risk  
Management**

**50%**

**Better Resource  
Allocation**

# Solutioning

## Challenges

- Coordinating various tasks, dependencies, and stakeholders, and tracking each effectively.
- Ensuring smooth communication and collaboration, especially when a many people are working concurrently.
- Integrating robust data security measures to protect sensitive project information.

## Technical Spotlight

- Used JIRA to provide a centralized platform for managing tasks, tracking progress, and coordinating activities.
- Integrated JIRA with communication tools, facilitating real-time communication.
- Utilized JIRA's robust access controls and UIPath's encryption capabilities.

## Solution Highlights

- Enabled teams to coordinate tasks and dependencies more effectively, reducing confusion and delays.
- Reduced the risk of misunderstandings and communication breakdowns.
- Ensured that sensitive project information remains secure, mitigating potential data breaches or leaks.

## Description

Codename Tiger Fall

## Tags

Design x Product x Add Tag

## Category

No Category

## Dates

Set Start & End Dates

## Email Addresses

View email addresses

## Project Report

View project report

## Project Spaces

## Overview

+ Add...

### Summary Activity



**Project Time Budgets are essential to keeping a project on track!**  
Unlock and trial the use of time budgets on your projects now.

Try it out X

### Tasks

Mine (1)

Late (0)  
Started (0)  
Today (0)  
Upcoming(1)  
No date (0)



All Tasks (19)

Late (0)  
Started (1)  
Today (0)  
Upcoming(1)  
No date (0)



### Milestones

Mine (2)

Late (0)  
Today (0)  
Upcoming(0)



All Milestones (3)

Late (0)  
Today (0)  
Upcoming(0)



### Digest

Tasks created today (20)  
Tasks completed today (1)  
Unread comments (0)  
Unread messages (0)  
Upcoming events (0)

### Time

Today

All Time Mine

Total Hours 1h 41m  
Billed Hours 0m

Billed 0h  
Unbilled 1h 41m

### Breakdown

Users	Active Tasks
Unassigned 31%	6
Cuddly Whiskers 26%	5
Princess Carolyn 21%	4
Diane Nguyen 15%	3
Bill Duffy 5%	1

Expand

Dashboard

## Smart Industrial Control System



Machine 1

Machine 2

Machine 3

Overview

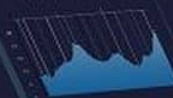
Product report

Performance

Product Quality

Machine State

Monthly Summary



▲ 32.04%

Product Quality



Performance



▲ 25%

Power consumption



▲ 67%

Machine State



✓ Fine

SAP

# Case Studies

AI/ML

CRP/ERM/Internal Systems

Inventory Management

Internet of Things (IoT)

Logistics & Supply Chain

Platforms

RPA

SAP

## Renowned Manufacturer of Wooden Products in Germany

Enhanced client's supply chain operations by integrating new SAP modules.

SAP Implementation

Automation

Process Optimization

**99%**  
Deployment  
Success

**10X**  
Accelerated  
Supply Chain

**80%**  
Enhanced  
Operations

# Solutioning

## Challenges

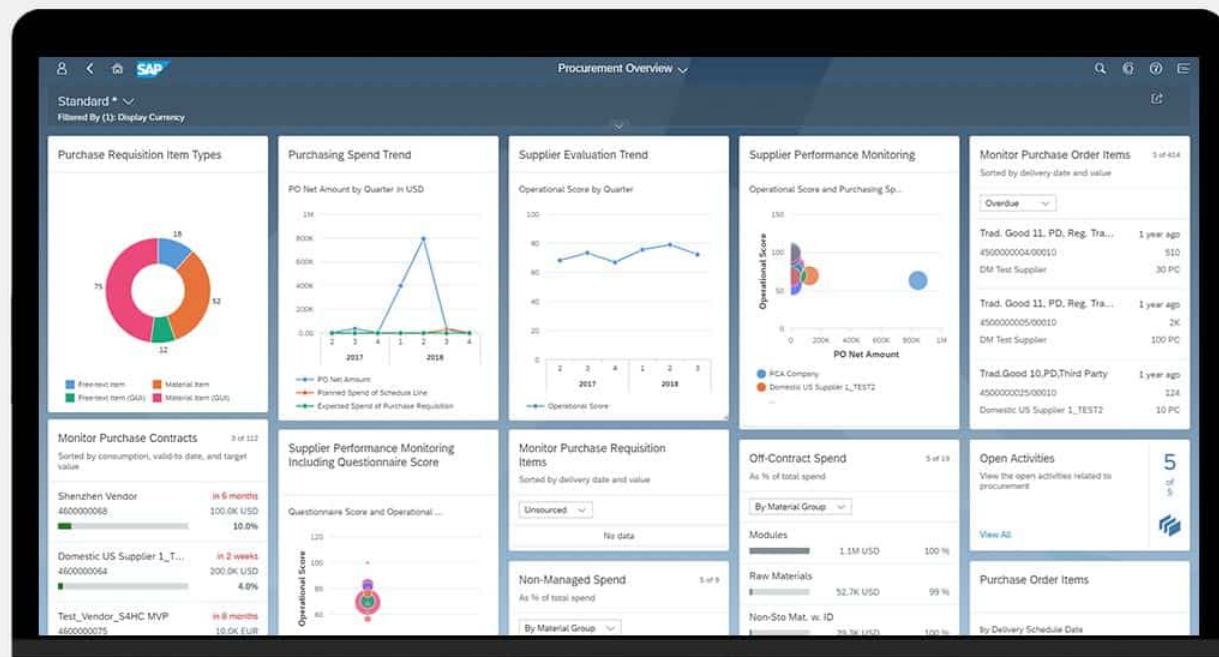
- Lack of visibility of overall capacity utilization which led to decreased productivity and delayed deliveries.
- Absence of automated processes that led to excess investment of resources in managing the supply chain process manually.
- Challenging project as it required integration of new modules in the existing SAP, without disrupting the ongoing day-to-day activities.

## Technical Spotlight

- Implemented SAP ECC's Production Planning module to gain real-time insights into capacity utilization.
- Used SAP ECC's Material Requirements Planning (MRP) to automate procurement and production planning.
- Utilized SAP ECC's modular architecture to gradually roll out new functionalities without affecting core business processes.

## Solution Highlights

- Streamlined the supply-chain activities to ensure prompt deliveries, optimized resource utilization, realistic scheduling, low inventory cost, automated goods replenishment.
- Automated processes, yielding improved productivity and enabling client by driving visibility across the supply chain operations.
- Ensured compatibility and minimized disruptions.





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SAP

## A Multinational Conglomerate Headquartered in Mumbai

Developed a chatbot supported by SAP integration and machine learning to streamline ticket management.

Automation

Natural Language Processing (NLP)

SAP Integration

Real-Time Insights

**9X**

**Improved Ticket  
Management**

**73%**

**Enhanced Data  
Accuracy**

**58%**

**Better Resource  
Utilization**

# Solutioning

## Challenges

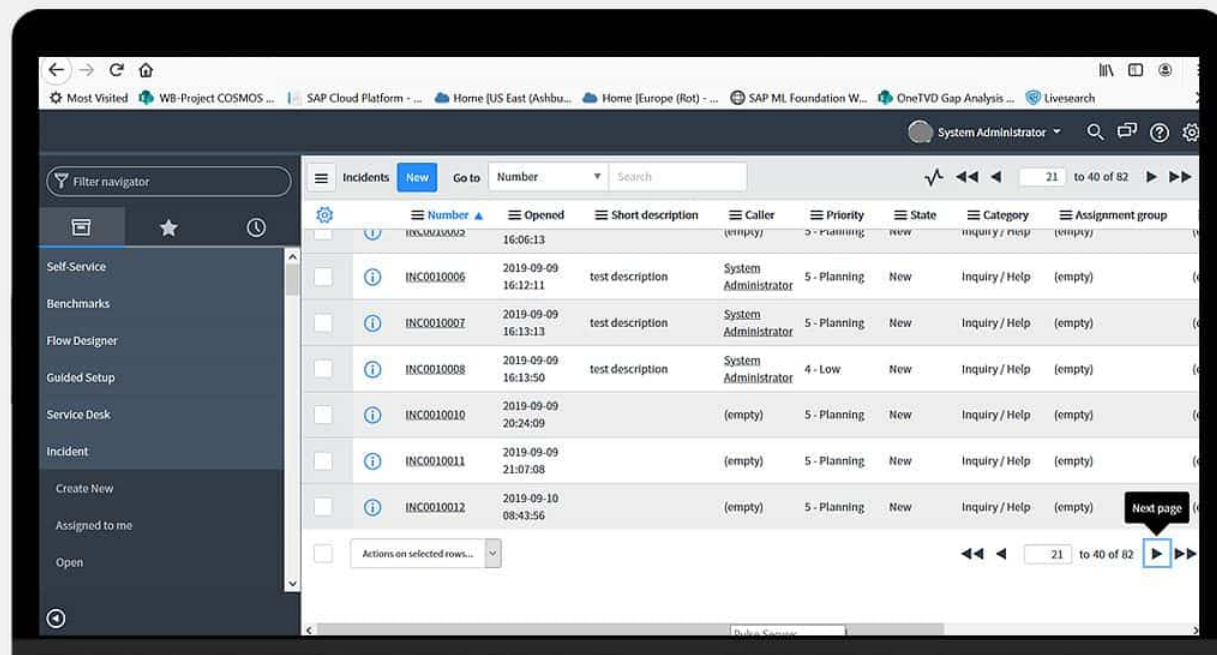
- Integrating SAP and BMC Remedy seamlessly, considering their differing data formats and protocols.
- Ensuring the platform can handle increasing user and ticket volumes without performance degradation.
- Ensuring the accuracy and reliability of TFIDF, NLP/NLU, and SKLearn algorithms in ticket categorization and data population.

## Technical Spotlight

- Used Python to develop standardized APIs for SAP and BMC Remedy, simplifying integration processes.
- Leveraged UNIX/Linux environments along with Python to deploy the platform on cloud infrastructure.
- Utilized TFIDF, NLP/NLU, and SKLearn within Python to continuously train and evaluate machine learning models using real-world data.

## Solution Highlights

- Ensured seamless integration between SAP and BMC Remedy, enhancing system interoperability.
- Ensured the accommodation of increased user and ticket volumes.
- Enhanced accuracy and reliability of ticket categorization and data population, leading to more efficient ticket management and user satisfaction.



# Case Studies

AI/ML

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Platforms

RPA

SAP

## A Multinational Company Known for Wide Range of Food and Beverages

Implemented SAP xMII to facilitate real-time connectivity between shop-floor systems and business operations.

Database Management

Object-Relational Mapping

SAP Integration

Restful Services

**50%**  
Better Data  
Management

**3X**  
Improved  
Interoperability

**72%**  
Optimized  
Performance

# Solutioning

## Challenges

- Integrating multiple technologies and ensuring seamless communication between them.
- Managing large volumes of data efficiently, especially in a manufacturing environment.
- Designing an intuitive and user-friendly interface for the portal.

## Technical Spotlight

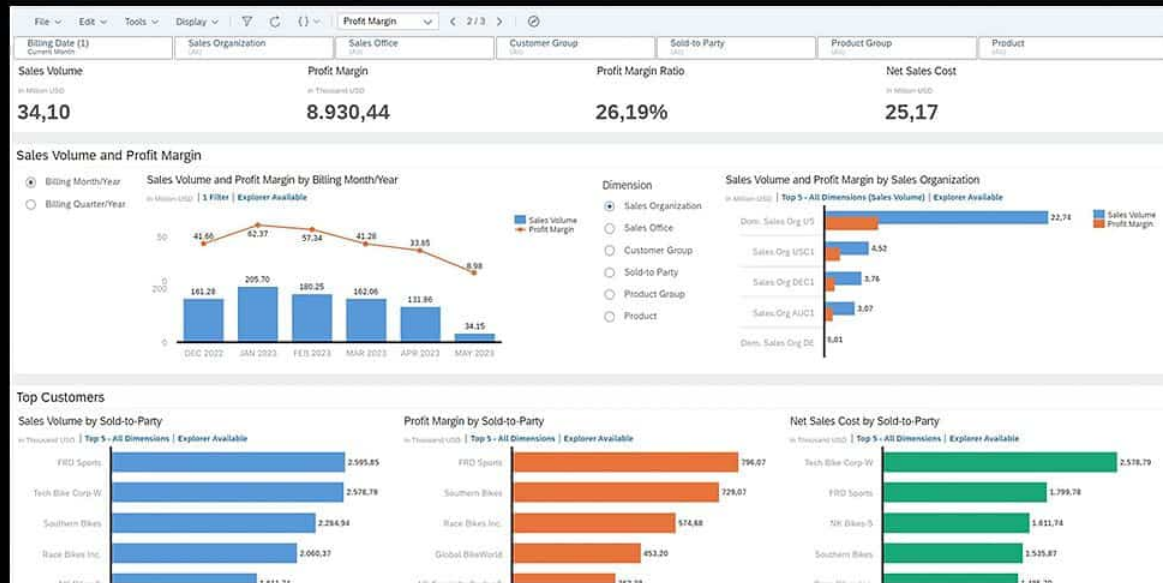
- Used Spring to facilitate easier integration of various technologies, providing a cohesive environment.
- Utilized Hibernate to simplify data management by providing an object-relational mapping solution.
- Leveraged Liferay's customizable portal development features, streamlining UI design and enhancing user experience.

## Solution Highlights

- Simplified integration efforts, ensuring smooth communication between different components of the platform.
- Reduced data management complexity, providing an ORM solution.
- Enabled the creation of intuitive user interfaces, enhancing user satisfaction.

## Tech Stack





Leading by Passion. Driven by Innovation

4000+  
Professionals

22+  
Industries

1500+  
Clients

85%  
Client Retention

Thankyou

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