



LogicLoom

Weaving Growth with Smart Solutions

S u c c e s s S t o r i e s

ERP for Manufacturing SMEs

Company Profile:

Auto Ancillary manufacturers which function as Tier 2 & Tier 3 vendors for a leading 2-wheeler manufacturer.

Problem Statement:

- Manufacturing SMEs struggle with managing complexity of supply chains, production schedules, inventory, and financials due to the lack of integrated solutions.
- Additionally, many existing systems are not scalable or adaptable to the evolving needs of growing businesses, resulting in lost productivity and higher operational costs.

Tech Stack:

- PHP, HTML CSS and MySQL.

Solution Provided & Impact:

- Developed custom ERP solution from scratch, designed to meet the specific needs of Auto ancillary manufacturing SMEs.
- Integrated key business processes such as production planning, inventory management, procurement, sales, and finance, all within a single platform.
- Provided end-to-end implementation services, including training and support, to ensure seamless adoption and optimal use of the ERP systems

Results:

- The solution led to streamlined business processes, leading to significant improvements in productivity and reduced operational costs.
- Scalable, user-friendly, and adaptable solution to the unique requirements of Auto ancillary manufacturing clients.

Project Management Solution

Company Profile:

A Global Technology Leader in Metal Finishing and Deburring with presence in India, China, Europe, and US.

Problem Statement:

- Project tracking was manual and time consuming
- Absence of Machine Commissioning Automation
- Inter department task management was big challenge
- Lack of real-time communication on project status for the client

Tech Stack:

- PHP, HTML CSS and MySQL.
- NLP- Open AI

Solution Provided & Impact:

Developed a Project Management tool with features-

- Allows creating, assigning, and tracking tasks and gates aligned with different stages of machine manufacturing.
- A dashboard to provide information of project completion and task assignment.
- An AI empowered client portal where the client can get real-time project updates, access manuals, order spare parts, and raise service-related tickets.
- Advance team collaboration by assigning every user the title same as their designation is the organization, to increase visibility and enhance user experience.

Results:

- Client experienced improved project tracking, enhanced monitoring delivery schedules, and better control over task management, showcasing the positive impact of their technological solutions.

Patient Portal

Company Profile:

A US-based health-tech startup specializing in developing Applications for clinician & patients on FHIR standards. It is working to become the infrastructure backbone of Qualified Health Information Network (QHIN) that will encompass all medical information globally.

Problem Statement:

- Medical records are often siloed within individual healthcare providers or facilities. This fragmented approach makes it difficult for patients to access a complete picture of their health history.
- Data needs to be shared with required security standards as recommended by HIPPA

Tech Stack:

- Angular, NodeJS, Java, Camunda, PostgreSQL, Plotly, AWS, GCP
- Data Standards & Compliance- FHIR, HIPPA

Solution Provided & Impact:

- Developed a user-friendly platform for patients where they can access and manage their health information securely, 24 hours a day, from any internet enabled device.
- The portal empowers patients with 24/7 access to their information, eliminating the need to request records each time.
- Enabled patients to access a personalized dashboard displaying their medical history, upcoming appointments, lab results, and medication information and much more.

Results:

- Disrupted traditional healthcare models by fostering active patient engagement and personalized health management with vision of a platform that empowers patients to leverage their health data for improved outcomes
- Easy access to PHR and other educational resources empowers patients to actively participate in their care.
- Secure messaging (with HIPPA standards) fosters more frequent and efficient communication between patients and providers.

Food Delivery App

Company Profile:

A Pune-based food delivery startup with a bold vision to transform how people order food. It's a one-of-a-kind app that lets you order from multiple restaurants in one go, making dining easier and more convenient.

Problem Statement:

- Traditional food delivery apps restrict orders to a single restaurant, limiting customer options and convenience.
- Coordinating multiple restaurants within a single order poses logistical challenges, including delivery efficiency and cost management.
- Ensuring real-time communication and coordination between customers, restaurants, and delivery executives is complex.

Tech Stack:

- React Native, NodeJS, MongoDB, ReactJS, AWS
- Integrations- Payment Gateway, Google Maps

Solution Provided & Impact:

- Created Android and iOS Apps for customers to select nearby hubs, browse menus, add items to the cart, and make secure payments in a single order.
- Developed an app for hub managers to oversee operations, coordinate with restaurants, and manage deliveries efficiently within the hub.
- Streamlined the interface for restaurant owners and staff to manage menus, process orders in real-time, and update order statuses.
- Implemented a delivery app for real-time order information and route optimization, along with an Angular admin panel for system management and monitoring.

Results:

- Simplified the process of ordering from multiple restaurants within a food hub, providing unmatched convenience for users.
- Streamlined operations through mobile applications and the web portal, resulting in increased revenue for businesses and a more efficient food delivery ecosystem.
- The App registered over 5000 downloads and more than 25000 orders got processed.

ERP for Jewelry Manufacturer

Company Profile:

A manufacturer and designer of haute couture jewelry with a history spanning the last three decades.

Problem Statement:

- Managing the accuracy of their gold inventory was becoming increasingly difficult and error-prone.
- Handling multiple software applications for various company functions, many of which were not integrated into their system, resulting in inefficiencies and data inconsistencies.

Tech Stack:

- PHP, HTML, CSS, and MySQL

Solution Provided & Impact:

- Developed a cloud-based solution to centralize and streamline operations.
- Managed the complete business workflow for both internal and external users, ensuring seamless operation across departments.
- Integrated barcode and RFID technology to improve inventory tracking and reduce the time required for stock audits.
- Enabled easy showcasing of jewelry designs at events and exhibitions, helping the marketing team efficiently collect orders and enhance customer engagement.

Results:

- Facilitated the marketing team in collecting orders more efficiently, improving overall sales and customer satisfaction.
- Significantly reduced stock audit times, allowing for more frequent and accurate inventory checks.
- Streamlined inventory management, leading to better accuracy and reduced losses, ultimately enhancing operational efficiency.

Social Networking Platform

Company Profile:

An India-based company specializing in professional networking solutions by letting users design digital cards and interact and share content with other users on a dynamic feed.

Problem Statement:

- Users often encountered usability issues like glitches and inconsistencies, impacting their experience negatively and reducing engagement.
- The platform's limited feature set restricted effective networking and interactive capabilities, limiting user satisfaction and hindering network expansion efforts.

Tech Stack:

- Android, PHP, MySQL, AWS
- Integrations- Payment Gateway, Jitsi

Solution Provided & Impact:

- Conducted comprehensive bug fixes and resolved UI issues, enhancing platform functionality for smoother user experience.
- Developed card designing capabilities to personalize user profiles, enriching their professional presence on the platform.
- Integrated a Webshop to streamline business transactions and enhance networking opportunities within the community.
- Implemented a dynamic feed to increase user engagement by curating relevant content and enhancing platform visibility.

Results:

- Achieved over 100,000 downloads post-enhancements, significantly expanding user base and engagement.
- Enhanced user experience and satisfaction through improved functionality and new feature offerings.
- Solidified Handshake's position as a premier professional networking platform, fostering valuable connections and driving business growth.

Consent Management

Company Profile:

A US-based ISV working in the healthcare domain with an aim to create a global infrastructure for managing and sharing patient health data, including consent management processes.

Problem Statement:

- Following the Health Information Portability and Accountability Act (HIPAA) Privacy Rule mandates.
- Patient data exists in siloes.
- Required to create a system where patients can provide their consent for sharing specific medical data with a specific provider, or family member.
- Data sharing needs to have date range for which the data is shared

Tech Stack:

- Angular, Java, PostgreSQL, AWS, GCP
- Data Standards & Compliance- FHIR, HIPPA

Solution Provided & Impact:

- Created a web application to centralize patient data access for health care providers and gives patients control over data sharing.
- Enabled patients in sharing healthcare compliant data while safeguarding privacy.
- Enabled patients to choose the specific types of data they want to share, providing greater control over their privacy.

Results:

- HIPAA-compliant data is securely transferred only to that healthcare provider for which the patient has provided consent.
- Patient has complete control over his own data across multiple siloes.
- Streamlined processing allows faster patient intake and treatment initiation.
- The real-time system eliminates lost or misplaced forms, ensuring consent visibility.
- Faster processing and clear visibility improved patient experience.

Video Calling Solution for Deaf Users

Company Profile:

A start-up in Bangalore, India, dedicated to overcoming communication barriers within the deaf community.

Problem Statement:

- Tackled significant communication barriers experienced by the deaf community.
- Addressed the urgent demand for accessible, on-demand Indian Sign Language (ISL) interpretation services.

Tech Stack:

- React Native, ReactJS, NodeJS, MongoDB, AWS
- Integrations- WebRTC (VideoSDK), Payment gateway,

Solution Provided & Impact:

- Engineered robust mobile and web applications using the MERN tech stack, ensuring seamless and reliable video communication channels.
- Pioneered a subscription-based service model, democratizing access to essential ISL interpretation services.
- Deployed advanced Video Remote Interpretation (VRI) and Video Relay Service (VRS) capabilities, empowering users with real-time communication tools.
- Provided a Web RTC-based platform for enabling video calls between deaf people and interpreters.

Results:

- Garnered an impressive user base, exceeding 50,000 downloads and around 500 calls every day that help and empower deaf people.
- Significantly expanded accessibility options, enabling deaf individuals to communicate effectively in various settings.
- Showcased technology's transformative impact on social inclusivity and community empowerment.

Telehealth Platform

Company Profile:

A pioneering US-based health-tech start up is at the forefront of revolutionizing healthcare delivery through innovative telehealth solutions. With the vision of democratizing access to high-quality healthcare, it has established itself as a leading provider of secure and userfriendly telehealth platforms.

Problem Statement:

- Patients residing in areas with limited specialist access faced inconvenience in scheduling in-person consultations.
- Traditional follow-up appointments often proved inconvenient for patients with ongoing medical conditions.

Tech Stack:

- React Native, NodeJS, MongoDB, AWS
- Integrations- WebRTC (VideoSDK), Payment gateway, Twilio
- Data Compliance- HIPPA

Solution Provided & Impact:

- Created a user-friendly telehealth mobile app that virtually connects patients with doctors.
- Enabled specialists to access patient's complete medical history directly within the telehealth platform, eliminating the need to switch between systems and improving consultation efficiency.
- Developed a secure messaging functionality within the platform to facilitate pre and post consultation communication between specialists and patients.
- Implemented real-time data transfer between the telehealth platform and EHR to ensure accurate and up-to-date patient information.

Results:

- The platform has significantly reduced geographical barriers by enabling patients in underserved areas to connect with specialists virtually.
- By offering virtual follow-up appointments, the platform has reduced the need for patients to travel to the doctor's office for routine check-ins or medication refills.
- Real-time data transfer between the platform and EHR ensures that specialists have access to the most up-to-date patient information, improving the accuracy of diagnoses and treatment plans.

Leadership Coaching and Networking

Company Profile:

A US based organization empowering independent business owners with education and mentorship.

Problem Statement:

- The existing solution lacked scalability and had serious performance issues.
- Requirement was to scrap the old product and develop a scalable solution with enhanced UX and improved performance.

Tech Stack:

- React Native, NodeJS, PostgreSQL, Azure
- Integrations- WebRTC (MirrorFly)

Solution Provided & Impact:

- Created a user-friendly and intuitive mobile app that enhanced user experience.
- Networking platform allowing like-minded business owners to connect with each other.
- OTT like learning platform providing access to cutting-edge education.
- Integrated chat functionality letting users to form groups and communicate via messages and audio/video calls.

Results:

- Faster load times, smoother interactions, and overall improved responsiveness.
- The new solution is more appealing to users, leading to increased adoption and a larger user base
- The new solution is able to handle a growing user base without experiencing any performance issues.

AI Enabled Virtual Assistant

Company Profile:

An international IVF clinic group determined to position themselves as a world leader in the field of Assisted Reproductive Technologies.

Problem Statement:

- The past arrangement of manual chat agents lacked efficiency, and the responses to user queries were not prompt.
- There was no way to identify and prioritize high probability leads.

Tech Stack:

- Python, NodeJS, ReactJS,
- Integration- WhatsApp, CRM
- NLP & Machine Learning- Open AI, Hugging Face Transformers, TensorFlow/ PyTorch

Solution Provided & Impact:

- Created an AI enabled Virtual assistant accessible 24*7 on Whatsapp and website.
- Provision for sentiment analysis and intent recognition of the conversations and assigning a score to each lead which corresponds to its probability of conversion.
- Based on the lead score high value clients are transferred to manual agents for closing.
- Multi language conversation capabilities.
- Option for manual agents to take over the conversations at any time

Results:

- AI based virtual assistant helps in streamlining the patient query resolution process.
- It reduced the workload of sales team of IVF clinic as agent are now interacting with clients who with high conversion chances.
- Number of patient increased by a factor of 20% for the IVF clinic as every patient gets prompt query resolution.

Cloud Optimization and Management

Company Profile:

An India-based company with the vision to make the internet safe for children by blocking age-inappropriate content.

Problem Statement:

- Revamping the deployment on AWS server to increase the scalability.
- Development of 4G/5G data server as an extension of current system.
- Server cost got unreasonably high.

Tech Stack:

- Flutter, Python, PostgreSQL,
- DevOps Tools: Jenkins, Terraform, Ansible, Git Lab CI/ CD
- Cloud Technologies (AWS): EC2, ALB, CloudWatch

Solution Provided & Impact:

- Create Auto Scaling groups to automatically adjust the number of EC2 instances based on demand.
- Set up scaling policies based on CPU utilization, network traffic, or custom metrics.
- Use Application Load Balancer (ALB) to distribute incoming traffic across multiple targets.
- Configure health checks to ensure traffic is only routed to healthy instances.

Results:

- Faster load times, smoother interactions, and overall improved responsiveness.
- Scalability of the solution is increased
- Hidden server costs have been identified and removed.



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THANK YOU