

SARAVANAN R

Full Stack Developer

As a Full Stack Developer with around **3 years** of hands-on experience, I've contributed to the design and development of scalable web and cross-platform applications across **healthcare, laboratory, and logistics** domains. I've built responsive web portals including **Inspection Web Portals** and **LIMS** dashboards using **React.js** and **Angular**, and developed dynamic **Flutter** applications for **Android, iOS, and Desktop**. My expertise includes designing and integrating RESTful APIs, optimizing database interactions with SQL Server and MongoDB, and deploying applications via **IIS Manager, Play Store, Docker** and cloud platforms. I collaborate closely with cross-functional teams to ensure secure, high-performance, and maintainable software solutions, with a strong focus on clean architecture, optimized workflows, and user-centric design.

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 [SaravananPortfolio](#)

 [SaravananLinkedin.com](#)

Skills

Programming Languages: Java, C (basic), Dart, JavaScript, TypeScript, HTML5, CSS3, SQL.

Frameworks & Libraries: Flutter, React.js, Node.js, Express.js, Next.js, Nest.js, Angular, ASP.NET Web API, Bootstrap. Tailwind CSS, Docker, CI/CD pipelines.

Databases & Data Management: MySQL, Microsoft SQL Server, MongoDB, ORM frameworks, Stored Procedures, Data Modeling, Query Optimization.

Deployment & Cloud Platforms: Play Store, GitHub, IIS Manager (UAT), Vercel, Render, AWS.

APIs & Tools: RESTful APIs, Postman, Swagger, API Integration, API Security.

Security & Authentication: JWT, OAuth2.

Development Tools & IDEs: Eclipse, Android Studio, Xcode, Visual Studio Code, Visual Studio.

State Management & Architecture: Redux , GetX, Provider, River pod, Bloc (Cubit), Context API, MVVM, MVC.

Version Control & CI/CD: Git, GitHub, GitHub Actions, Azure DevOps, Continuous Integration, Continuous Deployment

Other Tools & Skills: Microsoft Excel, PowerPoint, Figma (UI/UX Design), Cross-Platform Application Development, And Deployment, Agile Methodologies.

Experience

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| <div>Software Engineer</div> <div>11/2025 - Current</div> <div>ClazyWorks Pvt.</div> <div>Chennai.</div> | <ul style="list-style-type: none">Developed and maintained responsive web applications using React.js and Angular, optimizing accessibility, performance, and cross-device compatibility.Designed and integrated RESTful APIs with Node.js and .NET Web API, ensuring secure, scalable, and efficient client-server communication.Managed and optimized databases using ORM frameworks and stored procedures for high-performance data operations.Implemented robust security protocols including JWT and OAuth2 for authentication, role-based access control, and API protection.Deployed web and mobile applications via IIS Manager, Vercel, Render, and GitHub Pages, leveraging GitHub Actions for automated CI/CD pipelines.Built cross-platform Flutter applications for Android, iOS, Web, and Desktop, delivering seamless UI/UX and high-performance functionality.Integrated third-party services including Razorpay, Firebase,Twilio (Push Notifications, Crashlytics, Analytics), and Google Maps APIs for real-time tracking and route optimization.Enabled offline-first capabilities using SQLite, ObjectBox, SharedPreferences, and Hive, ensuring reliable synchronization and uninterrupted user experience.Applied advanced state management techniques (GetX, Provider, Riverpod, Bloc, Redux) to enhance app scalability, stability, and maintainability.Collaborated in Agile teams, participating in sprint planning, code reviews, and version control to deliver high-quality, maintainable software solutions. |
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Project Experience

VIR – Ship Inspection App | Apr 2025 – Present

A cross-platform solution digitizing and streamlining ship inspection workflows, improving reporting accuracy, data accessibility, and operational efficiency.

- Developed a **React.js**-based inspection dashboard utilizing **Context API and Redux**, enabling real-time inspection management, vessel master data updates, checklist monitoring, and PDF report generation.
- Select vessels and create inspections, Check inspection history, Filter checklists by ship chapter and location.
- Search checklists, Capture and upload photos with comments and defect logging, Generate CSV and PDF reports.
- Built cross-platform **Flutter** applications (Android, iOS, Desktop) with **GetX**, implementing offline-first functionality using **SQLite** for storing inspections, checklists, and high-resolution images.
- Designed and implemented RESTful APIs with **Node.js** and **TypeORM**, secured with **JWT** authentication and **bcrypt** password encryption.
- Optimized SQL Server operations using **stored procedures**, indexing, and query optimization for high-performance data retrieval and scalable inspection management.
- Integrated features for photo capture, defect logging, and checklist filtering by ship chapter/location, improving operational accuracy and reducing manual errors.
- Established cloud synchronization to automatically upload inspection data and images when connectivity is restored.
- Enabled role-based access control and audit tracking for secure and compliant inspection processes.

Tech Stack: Stack: React.js, Redux, Context API, Tailwind CSS, Flutter, GetX, SQLite, Node.js, TypeORM, SQL Server, JWT, bcrypt, jsreport, Puppeteer.

Healthcare Logistics System (Admin Web Portal & Patient, Doctor Raider Apps) | FEB 2024 – Jan 2025 (LIMS)

An integrated healthcare ecosystem connecting patients, doctors, logistics personnel, and administrators to optimize lab and healthcare workflows.

- Developed **Angular** applications leveraging **RxJS** and **Bootstrap** for managing master data, appointments, patient reports, doctor verification, and lab operations.
- Built cross-platform **Flutter** apps (Patient, Doctor, Raider) integrated with **ASP.NET Web API** to support appointment booking, lab test management, home sample collection, real-time tracking, and status updates.
- Implemented dynamic master data management for doctors, patients, tests, vendors, and logistics configurations.
- Enabled **patient** functionalities: appointment and test bookings, home test requests, PDF report access, and real-time notifications.
- Enabled **doctor** functionalities: test approvals, patient consults, report verification, and workflow management.
- Enabled **logistics** functionalities: sample pickup, delivery tracking, and location-based routing via **Google Maps API**.
- Integrated secure payments via **Razorpay** and real-time analytics/notifications with **Firebase** and **Twilio**.
- Applied **Riverpod** and **Provider** for reactive state management to ensure **synchronized** data across apps.
- Optimized **SQL Server** backend with stored procedures; deployed frontend/backend via **IIS**, and incorporated **MongoDB** for logging and analytics.

Tech Stack: Angular, RxJS, Bootstrap, Flutter, Riverpod, Provider, ASP.NET Web API, SQL Server (Stored Procedures), Razorpay, Firebase, MongoDB, Figma, Twilio.

Prodigious – HRMS & Payroll | SEP 2023 – JAN 2024

A comprehensive HRMS solution simplifying employee management, attendance tracking, payroll processing, and workforce analytics.

- Developed cross-platform **Flutter** applications with **GetX**, delivering consistent, high-performance user experiences for HR personnel and employees.
- Implemented employee management modules including roles, departments, hierarchical access control, and secure data handling.
- Built attendance and leave tracking systems with automated approvals, notifications, and real-time shift validation.
- Automated **payroll** processing and **payslip** generation, integrating compliance rules and reducing manual effort.
- Integrated **Hive** database for offline operations and seamless **synchronization** upon reconnection, ensuring uninterrupted HR workflows.
- Implemented location-based attendance verification using **Google Maps API**, improving compliance and operational accountability.
- Developed HR dashboards and analytics for workforce insights, employee performance tracking, and payroll summaries.
- Ensured seamless app deployment and maintenance on **Google Play Store** and **Apple App Store**, including versioning and updates.

Tech Stack: Flutter, GetX, Provider, Hive, REST APIs, Google Maps API, Asp.net.

Telecommunication Site Inspection App (ARDOM) | OCT 2024 – Jan 2025

A full-stack solution digitizing telecom site inspections, enabling engineers to efficiently verify, document, and report equipment conditions.

- Developed a **React.js**-based inspection dashboard utilizing with **Context API** and **Redux** for real-time management of inspection data, asset records, and audit reports.
- Built cross-platform **Flutter** applications (Android, iOS) using **Bloc** (Cubit), with offline-first functionality via **ObjectBox** for remote field operations.
- Implemented inspection workflows including asset verification, remark logging, photo capture, and automated validation to ensure accurate reporting.
- Integrated cloud synchronization and image upload, ensuring seamless data updates once network connectivity is restored.
- Designed visual documentation modules for traceability, audit readiness, and enhanced reporting clarity.
- Optimized application performance, reliability, and data accuracy, improving field productivity and reducing inspection turnaround time.
- Enabled real-time notifications and reminders for field engineers to streamline inspection workflows.

Tech Stack: React.js, Redux, Context API, Flutter, Bloc (Cubit), ObjectBox, Node.js, MySQL, Figma, Local Notifications.

Education

2018 - 2019,
Pudukkottai, TamilNadu.

HSC with 73% Govt Higher Secondary School, Pudukkottai.
Bachelor of Engineering(Computer Science And Engineering) with 8.0 CGPA

2019- 2023,
Trichy Tamil Nadu

Sudharsan Engineering College Of Engineering,
,Sathiyamangalam,Pudukkottai

Certifications

UDDEMY Certification

- React js, Node js ,Sql
- Flutter

Interest

Web Development

Agile Methodology

Full stack development

Machine Learning

App Development