

Abhiram TB

MERN Stack Developer

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Summary

Full Stack Developer specializing in the MERN stack and TypeScript, with production experience building scalable, real-time web applications. Skilled in Clean Architecture, SOLID principles, RESTful API design, payment integrations, and cloud deployment. Proven ability to design and ship end-to-end features from database schema to CI/CD pipeline.

Technical Skills

- **Languages:** TypeScript, JavaScript
- **Frontend:** React.js, Redux Toolkit, EJS, Bootstrap, Tailwind CSS, shadcn/ui
- **Backend:** Node.js, Express.js, REST APIs, MVC, Clean Architecture, SOLID Principles, Tsyringe (Dependency Injection)
- **Databases:** MongoDB, Redis, PostgreSQL
- **Real-Time & Communication:** Socket.IO, WebRTC
- **Payments:** Razorpay
- **Cloud & DevOps:** AWS EC2, AWS Textract, NGINX, PM2, GitHub Actions (CI/CD), Cloudinary
- **Tools & Libraries:** Multer, Cropper.js, Chart.js, Sharp, Tesseract.js, Zod
- **Other:** OCR, Regex-based Parsing, Location-Based Search, Booking Systems, Admin Dashboards

Projects

ServEase – Service Finding & Booking Platform

[Live](#) | [GitHub \(Backend\)](#) | [GitHub \(Frontend\)](#)

TypeScript, React.js, Node.js, Express.js, MongoDB, Redis, Redux Toolkit, Socket.IO, WebRTC, Razorpay, AWS EC2, NGINX, PM2, GitHub Actions

- Architected the backend using TypeScript, Clean Architecture, SOLID principles, and Tsyringe dependency injection, separating domain, application, infrastructure, and presentation layers.
- Developed service discovery and booking workflows with location-based search, provider availability, slot management, automated cancellation, and booking validation.
- Integrated Razorpay with a provider wallet and transaction system; built real-time chat, notifications, and peer-to-peer video calling using Socket.IO and WebRTC.
- Deployed on AWS EC2 using NGINX and PM2 with GitHub Actions CI/CD; improved architecture and code quality through multiple technical reviews by experienced software engineers.

WizCart – Mobile Phone E-Commerce Platform

[Live](#) | [GitHub](#)

Node.js, Express.js, MongoDB, EJS, Bootstrap, MVC, Razorpay, Multer, Cropper.js, Chart.js, AWS EC2, NGINX, PM2, GitHub Actions

- Developed a mobile phone e-commerce platform with product browsing, search, cart, checkout, order processing, authentication, and MVC architecture.
- Built role-based admin management for products, categories, brands, inventory, orders, coupons, and offers, with Razorpay payments and Chart.js analytics.
- Implemented product image processing using Multer and Cropper.js, migrated brand data to a normalized MongoDB collection, and deployed using AWS EC2, NGINX, PM2, and GitHub Actions.

AadharLens – Aadhaar OCR & Information Extraction Platform

[Live](#) | [GitHub](#)

TypeScript, React.js, Node.js, Express.js, MongoDB, Tesseract.js, AWS Textract, Sharp, Zod, Regex

- Built an OCR-based Aadhaar extraction system with advanced parsing, field validation, and front/back consistency checks.

PDF Extraction – Document Processing Platform

[Live](#) | [GitHub](#)

TypeScript, Node.js, Express.js, MongoDB, Clean Architecture, SOLID, Cloudinary

- Developed a modular platform for PDF upload, validation, storage, and structured data extraction.

Education

Brototype – Professional Training, Full Stack Development (MERN Stack)

Jul 2024 – May 2026

Calicut, Kerala, India

Higher Secondary Education (+2) – Computer Science

Kerala, India

Languages

English | Tamil