

Saravanan Ramesh

Full Stack Developer

Chennai, India • +91 90030 45246 • saravanan.r25032001@gmail.com • [linkedin.com/in/saravanan-ramesh-dev](https://www.linkedin.com/in/saravanan-ramesh-dev) • github.com/SARAVANAN-2503

SUMMARY

Full Stack Developer with 3+ years of experience building scalable web applications and real-time systems. Skilled in developing end-to-end features across React-based frontends and Node.js backends, with a strong focus on performance, API design, and production reliability. Proven experience in delivering SaaS and enterprise applications with real-world usage and measurable impact.

TECHNICAL SKILLS

Languages: JavaScript (ES6+)

Frontend: React.js, Next.js, Redux Toolkit, Tailwind CSS

Backend: Node.js, Express.js, REST APIs, Authentication (JWT, OAuth), WebSockets

Databases: MySQL, MongoDB (Schema Design, Query Optimization)

Cloud & Tools: AWS (Lambda, S3), Git, Stripe, Razorpay

Concepts: Multi-Tenant Architecture, RBAC, Real-Time Systems, API Design

WORK EXPERIENCE

Gnxtace Technology — Full Stack Developer | Chennai | May 2024 – Present

TenantCraft — Multi-Tenant SaaS Website Builder | Next.js · Node.js · MySQL · Stripe · Zustand

- Designed multi-tenant architecture using subdomain routing with strict per-tenant data isolation across MySQL schemas; built with Node.js/Express and Knex.js migrations
- Designed and implemented secure REST APIs with JWT authentication, OAuth integration, rate limiting, and session management for multi-tenant SaaS usage
- Developed dynamic page builder system supporting 50+ reusable components with optimized state management and scalable backend architecture
- Integrated Stripe subscription billing with webhook-driven lifecycle events for payment confirmation, renewal, and failure handling
- Implemented production-grade security practices including Helmet, CORS, structured logging, and optimized database connection handling

GovPass — Government Visa Application Management System | React · Node.js · MySQL · AWS S3 · Stripe · Square

- Designed and developed end-to-end visa processing system handling multi-stage workflows with optimized frontend-backend communication
- Implemented fault-tolerant payment flows (Stripe & Square) with retry mechanisms, idempotency, and failure handling
- Modelled 15+ normalized relational tables using MySQL with Knex.js migrations, optimized indexed queries, and AWS S3 for document/passport photo storage
- Implemented RBAC for 4 staff roles with audit logging for compliance; documented 20+ REST endpoints with Swagger/OpenAPI
- Built multi-factor applicant verification (Application ID + DOB + Last Name) with EJS-rendered views for staff workflows

ExpertConnect — Real-Time Expert Consultation Platform | Node.js · Socket.io · Redis

- Built scalable WebSocket-based system supporting 5,000+ concurrent users with Redis-backed caching for improved performance
- Designed real-time event flows for video, audio, and chat coordination with Node.js; reduced query response time by 45%

Jnana Inventive Pvt Ltd — Full Stack Developer | Chennai | June 2022 – May 2024

LeadPulse — AI-Powered CRM & Lead Management | React · Node.js · MySQL · AssemblyAI

- Developed backend services for lead lifecycle management with API optimization and third-party AI integration for automated transcription
- Engineered React admin panel streamlining workflows via automation pipelines, improving lead processing efficiency by 40%

LiveBid — Real-Time Live Auction Platform | React · Node.js · WebSocket

- Built real-time bidding system using WebSockets with event-driven architecture for consistent state synchronization
- Improved system stability through structured error handling and React performance optimization, reducing application issues by 45%

EnterpriseSync — Scalable ERP Solution | Vue.js · Node.js · MySQL

- Developed Node.js/Express APIs with MySQL query optimization, improving API performance by 50%; implemented JWT auth cutting vulnerabilities by 60%
- Built responsive Vue.js frontend for enterprise workflows, increasing user interaction rates by 25%

FREELANCE PROJECTS

- Appolo Smart Test** — Enterprise Exam Evaluation Platform — Freelance Full Stack Developer | 2025 | <https://appolosmarttest.com/>
- Designed and implemented serverless PDF processing pipeline using AWS Lambda, S3, and SQS, reducing manual effort by 90%
 - Built Firebase Cloud Messaging + SQS queue worker notification system handling 1,000+ concurrent push notifications without memory spikes
 - Designed Agenda.js job scheduler for automated exam lifecycle: timed start/end, auto-submission on timeout, idempotent reminder notifications
 - Developed scalable REST APIs with 50+ endpoints, secure JWT authentication (RS256), validation, and structured logging
 - Built responsive React dashboard with 40+ routes, optimized state management, and improved user workflow efficiency
 - Integrated Razorpay for LMS subscriptions; optimized MongoDB with cursor-based pagination and Mongoose plugins improving API response times by 60%
 - Implemented TUS protocol for resumable uploads supporting 500MB+ video files; security: Helmet, XSS sanitization, MongoDB injection prevention, rate limiting

EDUCATION

SRM Arts & Science College — B.E. Electronics & Communication | CGPA: 7.8 | July 2018 – July 2021

ACHIEVEMENTS

- Delivered 10+ production-grade applications across SaaS, government, and enterprise domains.
- Reduced manual processing effort by 90% using serverless architecture (AWS Lambda + S3 + SQS).
- Improved API performance by up to 60% through query optimization and efficient data handling
- Strengthened system security and reduced vulnerabilities by 60% through authentication and validation improvements
- Mentored junior developers and contributed to team productivity and onboarding