S. RAJARAMAN

Software Developer

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LinkedIn | GitHub | Portfolio

SUMMARY

Full-stack software engineer who takes products from zero to production — architecture, implementation, and deployment included. Shipped a customer booking/appointment portal live in production for a Netherlands-based SaaS company, built a Cursor-style AI coding assistant powered by a custom Knowledge Base Engine on top of an open-source IDE, and independently designed, built, and released two cross-platform mobile apps. Comfortable owning ambiguous problems end-to-end, moving fast without sacrificing code quality, and working across the full stack — frontend, backend, infrastructure, and CI/CD. Looking to bring that same ownership and craftsmanship to a high-caliber engineering team.

EXPERIENCE

Software Developer — Hysas Technology

Nov 2025 – Present

- Delivered a self-serve booking and appointment-management experience for Workify's end customers, as measured by full production rollout to Workify's (workify.nl) client base, by independently designing and building the customer-facing web portal from scratch.
- Cut manual admin workload by 23%, as measured by reduced time spent on catalog/data entry, by building and shipping a bulk data-upload and admin management interface for Karthika Collections (karthikacollections.in).
- Built a Cursor-style AI coding assistant with consistent, project-aware code generation, as measured by AI suggestions correctly following project-specific conventions instead of drifting inconsistently across files (e.g., the same button styled differently in two places), by developing a custom Knowledge Base Engine (KBE) on top of an open-source IDE and integrating it with the Cursor API to give the assistant full project context and enforceable rules.
- Enabled repeatable, zero-touch releases, as measured by fully automated build-to-deploy cycles, by setting up CI/CD pipelines (GitHub Actions) and self-hosted VPS deployment infrastructure.
- Evaluated cost, latency, and privacy trade-offs for AI-powered features, as measured by comparative testing across inference options, by deploying and benchmarking locally-run AI models against hosted APIs for internal tooling.

Junior Software Developer — EBA Technologies, Tuticorin

Aug 2025 – Oct 2025

- Reduced manual customer-support workload by 38%, as measured by ticket volume handled automatically, by engineering a Flask-based AI chatbot with natural-language product search and WhatsApp-integrated query resolution.
- Improved team coordination and project visibility, as measured by centralized task and event tracking, by building task-assignment and scheduling features in a Next.js application using the Big Calendar library.
- Streamlined the e-commerce checkout experience, as measured by seamless end-to-end online transactions, by integrating secure payment gateway functionality into the platform.

PROJECTS

Auxi — AI-Powered Women's Health & Cycle Tracking App

lotzi.in

Flutter · Riverpod · GoRouter · Dio · Hive

- Shipped a production-ready, cross-platform app (Android/iOS/Web/Linux), as measured by successful multi-platform builds from a single codebase, by architecting the app with a feature-first clean architecture, Riverpod state management, and GoRouter navigation.
- Enabled reliable offline usage with secure data handling, as measured by seamless local-to-remote sync under intermittent connectivity, by building an offline-first data layer (Hive + Dio) with encrypted local storage for sensitive health data.
- Automated the release pipeline end-to-end, as measured by one-command signed APK generation and deployment, by configuring GitHub Actions to build per-ABI and universal Android APKs and publish them to a self-hosted VPS distribution page.

Wake Up — Smart Travel Alarm Personal Project

Flutter · Google Maps / Places / Directions API

- Solved the “missed my stop” problem for commuters, as measured by accurate, on-time wake alerts before arrival, by building a location-aware alarm app supporting up to 3 configurable waypoints before a destination.
- Improved location accuracy and battery efficiency, as measured by reduced GPS drift and adaptive polling frequency (5s–60s), by implementing Kalman-filter GPS smoothing and traffic-aware ETA via the Directions API's duration_in_traffic.
- Maintained uninterrupted tracking under real-world failure conditions, as measured by successful recovery from app kills, route deviations, and connectivity loss, by implementing foreground/background location services, automatic route recalculation beyond 500m deviation, offline ETA fallback, and persisted journey state.

Merit Attendance System Aug 2024

VB.NET · MySQL

- Became the primary attendance-reporting solution in active use, as measured by adoption as the deployed system of record, by building a full attendance management system with Excel export for administrator reporting and analysis.

CORE SKILLS

Languages / Frameworks: Java, Python, JavaScript, Flutter/Dart, React, Next.js, Angular, Spring Boot

Data / APIs: REST, GraphQL, Hasura, MongoDB, MySQL, PostgreSQL, Supabase, Redis

Cloud / Infra & Deployment: AWS, Vercel, Render, CI/CD (GitHub Actions), VPS self-hosting, Docker

Third-Party Integrations: Google Firebase, Razorpay (payments), Resend (email), WhatsApp Business API, Google Maps/Places/Directions API

Tools: GitHub, GitLab, Postman

AI / ML: Local/on-device AI model deployment, Cursor API integration, Knowledge Base Engine (rules-driven AI tooling)

EDUCATION

B.S. Computer Science — Merit Arts and Science College | GPA: 8.7 Jan 2021 – Jul 2024

CERTIFICATIONS

Cyber Security — GUVI, Apr 2024