

Durga Vijaya Saradhi

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PROFESSIONAL SUMMARY

Full-stack engineer with 3.5 years of experience building production-grade web applications, with a strong backend focus; founding engineer at two early-stage startups across logistics and edtech domains. Hands-on with API design, AWS infrastructure, and LLM integration using RAG pipelines and vector databases; shipped products actively used by 20,000+ users.

SKILLS

Languages: TypeScript, JavaScript, **Backend:** Node.js (Express, Hono), REST APIs, WebSockets, Microservices
Frontend: React.js, Next.js, Tailwind CSS, **Databases:** PostgreSQL, MongoDB, Qdrant, Elasticsearch, Redis
Cloud/Infra: AWS (EC2, S3, Lambda, ECS, API Gateway), **DevOps:** Docker, GitHub Actions, Turborepo
AI/LLM: RAG Pipelines, Vector Search, Anthropic SDK, OpenAI SDK, **Tools:** Bun, Prisma, Drizzle, Jest, Playwright

EXPERIENCE

Software Engineer (Backend / Full Stack)

Turtill - Teachbricks Private Limited (Hyderabad, India)

August 2025 - Present

- Designed and built geo-fencing based attendance tracking for the HRMS module - owning backend APIs, real-time analytics, and employee document request workflows for a campus system used by 10,000+ users across 5 colleges.
- Developed a fee payments module with full business logic and Razorpay integration; used BullMQ to handle bulk background tasks including mass notification dispatch and Excel-based data ingestion pipelines, handling collections across multiple colleges; contributed to a student social app with 20,000+ downloads on Google Play.
- Wrote end-to-end and unit tests using Playwright, Vitest, and Jest across backend and frontend layers, improving reliability of critical payment and attendance flows. Set up production infrastructure on AWS ECS and EC2, self-hosted GitHub Actions runners for CI/CD, and a Grafana + Loki observability stack with custom dashboards and alerting pipelines.

Software Engineer (Founding Engineer)

Intoglo Private Limited (Chennai, India)

October 2022 - August 2025

- Architected an internal AI copilot for semantic email search using a RAG pipeline — ingesting and embedding ~2,500 emails/day into a self-hosted Qdrant vector database, with Claude Sonnet 3.5 as the reasoning layer; reduced manual email lookup effort by ~40% for internal operations teams.
- Built backend services for automated document classification and data extraction from inbound email attachments using a combination of traditional parsing and AI-assisted extraction, reducing manual document processing for the ops team.
- Contributed to the backend APIs powering Glotrack, a B2B shipment tracking platform; designed and built GloNotifications — a standalone alerting module delivering real-time shipment updates via WhatsApp (Gallabox) and email (Brevio).
- Built an HS code lookup system using Express and Elasticsearch, later extended with an AI-powered image scanner using the OpenAI SDK — allowing users to identify product codes by scanning physical items.
- Owned AWS infrastructure across EC2, ECS, S3, Lambda, and API Gateway — including IAM configuration and CloudWatch monitoring for production services; participated in DB schema design and system design discussions across multiple modules.
- Implemented Redis-based session caching, API rate limiting, and background job queuing across backend services to improve performance and reliability of high-frequency operations.
- Developed and deployed the company website on AWS EC2 with Let's Encrypt SSL, progressively expanding it with lead generation forms, Google Sheets and Zoho CRM integrations, and dynamic landing pages for email marketing campaigns.

PROJECTS

AI Powered Website Builder

- Built an AI-powered website builder that generates single-page websites from natural language input with live preview, integrated web-based code editor
- Built using Next.js, TypeScript, Tailwind and deployed on Vercel and Cloudflare Workers. Github : [Saradhii/website-builder](https://github.com/saradhii/website-builder) Live: builder.saradhi.dev

HealthBridge

- Built a hospital management system that streamlines hospital operations with role-based access for seamless data access and exchange.
- Built using Next.js, TypeScript, Tailwind CSS, Hono, PostgreSQL and deployed on Vercel. Github : [Saradhii/HealthBridge](https://github.com/saradhii/HealthBridge) Live: health-bridge.saradhi.dev

EDUCATION

Master of Computer Applications (MCA)

Vishnu University (BVRIT) - Bhimavaram · 2018 - 2020