Harsha Vardhan NJ | Full-Stack Software Engineer

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Summary

Full-stack engineer with over 3+ years of experience building SaaS applications, mobile products, and distributed systems. Skilled in React, Node.js, Next.js, AWS, and Flutter, with a focus on designing reliable, scalable solutions. Experienced in integrating AI/LLMs into production workflows, solving complex engineering problems, and collaborating across teams to deliver products that improve performance and user experience.

Skills

Languages: JavaScript (ES6+), TypeScript, Dart, Python
Core CS: Algorithms & Data Structures, complexity analysis, concurrency patterns, system design.
Frontend: React, Next.js, Remix, Tailwind CSS, Flutter, Shopify Polaris
Backend: Node.js, Express, FastAPI, GraphQL, REST, Kafka, MQTT
Databases: MongoDB, MySQL, Supabase, Firebase Realtime DB
Cloud & DevOps: AWS (Lambda, S3, API Gateway), Docker, Firebase, GitLab CI/CD
AI & ML: OpenAI GPT, Hugging Face, NLP, AI agents, MCP
Quality & Observability: Jest, Sentry, Kibana

Experience

Full-Stack Software Engineer — Binarychakra, Madurai | Oct 2023 – Present

- Architected a multi-tenant B2B SaaS (React/Next.js/Node) with modular, fault-tolerant services, achieving 95% client retention in production.
- Engineered **Kafka pipelines handling 100K+ events/min**, reducing dashboard latency **40% under peak load**.
- Integrated **OpenAI GPT with FastAPI/Node**, automating workflows and cutting manual effort **60%**, accelerating feature delivery.
- Improved engineering culture by mentoring 3 developers and rolling out **CI/CD + automated reviews**, raising release confidence **25%**.

Mobile Developer — Cron24 Technologies, Madurai | Mar 2022 – Sep 2023

- Delivered **5+ production Flutter apps** (Stripe, Firebase, Google Maps) serving **10K+ MAUs** and boosting ad revenue **50%**.
- Enhanced stability by resolving **high-crash scenarios** and enabling **multi-language support**, improving uptime **30% across 10+ regions**.
- Reduced UI defects **40%** through scalable architecture patterns (Riverpod), improving maintainability

Education

MCA — K.L.N. College of Engineering, Madurai
CGPA 9.1/10 | Apr 2022

B.Sc. Computer Science — Sourashtra College, Madurai
CGPA 7.1/10 | Apr 2020

Projects

AI-Powered Blog Generator — React, Remix, Node, OpenAI | Link

- Generate SEO-optimized posts with on-brand tone and AI image suggestions, driving +8% social CTR and +40% organic traffic.
- Launch a built-in editor with scheduling and image generation to streamline publishing and lift blog-to-purchase conversions by 20%.
- Orchestrate consistent throughput and brand voice via a Remix editor, OpenAI prompt templates, and Node queues, reducing manual marketing effort and standardizing tone.

Store Workers — React, Node, Python (FastAPI) MCP Agent | Link

- Automated store ops and bulk product updates with an AI agent, cutting manual admin 40% and improving product data accuracy 40%.
- Used Supabase + AWS for fast, reliable processing with a Polaris-based UI for workflow clarity.
- Solved error-prone multi-channel updates by orchestrating an MCP agent in FastAPI with Supabase triggers and AWS S3/Lambda, reducing repetitive edits and rollbacks.

Filmplace (Android/iOS) — Flutter, Firebase, Stripe

- Simplified location booking for filmmakers with secure Stripe payments, reducing transaction issues 15%.
- Increased sign-ups 25% via Google Address Autocomplete and multiple social logins; boosted engagement 30% with analytics-driven improvements.
- Tackled checkout drop-offs by integrating Stripe webhooks and Firebase Analytics funnels, improving payment reliability and revealing UX fixes that raised completion rates.

Certifications

LAMP Stack (Linux, Apache, MySQL, PHP) — 2019