

# ROHIT NAGARAJ NAIK

## Senior Full Stack Engineer | AI Systems Architect

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### PROFESSIONAL SUMMARY

Senior Full Stack Engineer and AI Systems Architect with 9+ years of experience architecting and delivering scalable web and native mobile applications (iOS & Android) across enterprise retail, DevOps, and AI domains. Deep expertise in React.js, React Native, Node.js, GraphQL, and LLM-powered systems (Gemini 2.5, OpenAI, Claude), with a strong track record in performance optimization, web accessibility (WCAG/ADA) compliance, component architecture, and cross-functional team leadership. Proven ability to design and build production-grade AI agents — including automated duplicate-code detection and AI-driven test case generation — reduce technical debt, and mentor engineering teams. Recognized with the Bravo Award and Make the Difference Award 2026 at Walmart Global Tech for exceptional contributions.

### CORE COMPETENCIES & TECHNICAL SKILLS

- Frontend & Mobile:** React.js, React Native (iOS & Android), Expo, TypeScript, JavaScript (ES2022+), Redux, Zustand, HTML5, CSS3, Data Visualization & Charting Libraries
- Backend & APIs:** Node.js, GraphQL, RESTful Services, Microservices, Graph Databases, API Design & Optimization
- AI / LLM Engineering:** LLM Integration (Gemini 2.5, OpenAI, Claude), AI Agent Development, Prompt Engineering, Generative AI, Vector Embeddings, Semantic Similarity Search
- Cloud & DevOps:** AWS (EC2, S3, Lambda, CloudWatch), Docker, CI/CD Pipelines, Infrastructure Scaling
- Testing & Quality:** Jest, Cypress, TestCafe, Unit/Integration/E2E Testing, AI-Generated Test Automation, Code Reviews
- Accessibility & Compliance:** WCAG 2.1, ADA Compliance, Semantic HTML, ARIA Standards
- Product & Experimentation:** A/B Testing, Feature Flags, Analytics & Event Tracking, Data-Driven Experimentation
- Architecture & Practices:** Component Libraries, Monorepo Design, Agile/Scrum, Technical Mentorship, Git

### PROFESSIONAL EXPERIENCE

#### Software Engineer III (Senior Software Engineer) | Walmart Global Tech

Jun 2022 – Present • Bengaluru, India

##### Data Ventures – Customer Insights Domain

- Engineered and scaled three mission-critical internal platforms — FortUI, D-Scribe, and EasyValidate — using React.js, Node.js, and GraphQL to support data operations across one of the world's largest retail supply chains.
- Built and maintained a React Native (iOS & Android) supplier-facing mobile application surfacing user clickstream analytics, enabling suppliers to launch and manage geo-targeted advertising campaigns based on real-time location data.
- Architected a reusable component library and modular design system for the Data Ventures – Customer Insights domain, adopted by multiple product teams and reducing duplicated development effort by ~30%.
- Enhanced charting and data visualization capabilities, resolved accessibility issues to maintain WCAG 2.1 and ADA compliance, and collaborated cross-functionally on A/B testing, feature flags, and analytics tracking to continuously refine application performance and UX.
- Serving as AI Systems Architect, designed and built production AI agents — including a semantic duplicate-code detection agent and a Git-integrated automated test-case generation agent — and led development of retail-focused generative AI tools (Gemini 2.5, OpenAI, Claude) that help suppliers and customers make faster, more confident purchasing decisions.
- Optimized data-intensive dashboards through advanced state management (Zustand/Redux) and rendering tuning, enabling seamless UX for dashboards handling millions of records.
- Led technical architecture reviews and rigorous code reviews, establishing standards that significantly reduced production defect rates and improved overall software quality.
- Mentored 3+ junior engineers on React best practices, scalable UI architecture, and performance profiling, directly improving team throughput and code consistency.
- ★ **Bravo Award** — Recognized for exceptional contributions to the Walmart Labs ecosystem.
- ★ **Make the Difference Award 2026** — Awarded for outstanding impact and going above and beyond at Walmart Global Tech.

#### Senior Software Engineer | HCL Software

Mar 2020 – May 2022 • Bengaluru, India

- Built performant UI components and backend APIs for Urbancode Velocity, an enterprise DevOps orchestration platform, improving release pipeline visibility for large enterprise clients.
- Reduced API response latency by optimizing database queries and introducing caching strategies, enhancing platform reliability under sustained production load.
- Implemented Docker-based containerized deployments integrated with AWS services, modernizing the deployment pipeline and improving scalability.

- Partnered with cross-functional teams in design, QA, and product management to deliver feature releases consistently within Agile sprint cycles.

★ **Good Performer Award 2021** — *Recognized for consistent high performance and delivery.*

## Senior System Engineer | Infosys

Dec 2019 – Mar 2020 • Bengaluru, India

- Developed high-performance web applications with React.js and cross-platform mobile apps with React Native, delivering a measurable 25% improvement in overall application performance.
- Integrated complex REST and GraphQL APIs with scalable state management solutions, ensuring data consistency and responsive UX across client interfaces.

## Software Engineer | Greenprint Technologies Pvt. Ltd.

Jul 2017 – Nov 2019 • Bengaluru, India

- Independently built multiple production web and mobile applications from scratch, leading end-to-end development of React Native apps deployed on both Android and iOS.
- Owned the full product lifecycle — from requirements analysis and UI prototyping through to deployment, QA, and iterative post-launch improvements.

## NOTABLE PROJECTS

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### Wildora — Wildlife Community Mobile App

Mar 2026 – Jun 2026

- Built a full-featured React Native (Expo) mobile app with user authentication, photo upload, a social activity feed, destination/tour discovery, and user profiles.
- Designed a scalable client-side architecture with modular navigation, reusable components, and optimized image handling tailored for wildlife photography use cases.

**Tech Stack:** React Native, Expo, GraphQL, Node.js, REST APIs

### DriveX — AI-Powered Car Discovery Platform

Mar 2026 – Apr 2026

- Developed an AI-powered car comparison and recommendation platform delivering instant, intelligent vehicle suggestions to streamline purchase decisions.
- Integrated LLM-based natural language querying and dynamic comparison logic for conversational discovery across a large vehicle dataset.

**Tech Stack:** React.js, Node.js, LLM APIs, REST

### AI Duplicate Code Detection Agent

Personal Project

- Engineered an AI tool to detect semantically duplicate code across large codebases using vector embeddings and cosine similarity — identifying duplicates across variable names, structure, and formatting differences.
- Designed for monorepo environments, enabling engineering teams to enforce code quality standards and eliminate redundancy at scale.

**Tech Stack:** Python, OpenAI Embeddings, FAISS / Vector Store, Node.js

### AI Test Case Generation Agent

Personal / Internal Tooling Project

- Built a Git-integrated AI agent that automatically generates unit test cases when new code is committed, using LLM-based code analysis to identify untested logic paths.
- Reduced manual test-writing overhead and improved test coverage consistency across commits, helping catch regressions earlier in the development cycle.

**Tech Stack:** Python, Node.js, Git Hooks, LLM APIs (OpenAI / Claude)

## EDUCATION

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### Bachelor of Engineering, Computer Science

Vivekananda College of Engineering & Technology, Puttur, D.K.

2013 – 2017