

DEVESH SINGH

Pune, India | Full Stack & DevOps Engineer | Nearly 5 Years Experience

Next.js | Node.js | MongoDB | CI/CD | AWS

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Portfolio: deveshsingh.in

Full Stack & DevOps Engineer based in Pune, India. I take products from requirements and system design through to production, and stay responsible for them once they're live — the infrastructure side is as much my job as the application code. Currently leading the next phase of a European property-lending platform, after most recently leading a fixed-scope AI-assisted observability build.

Solo project: devtools.simarium.in, an interactive developer-infrastructure simulator with a live Git visualizer (merge, rebase, cherry-pick on a modelled commit graph).

TECHNICAL SKILLS

Frontend & Mobile:	Next.js, React.js, React Native, TypeScript, Android (Java, Kotlin)
Backend:	Node.js, Express.js, RESTful API Design, WebSocket, Apache Kafka, SSO / OAuth 2.0
Databases & Caching:	MongoDB, PostgreSQL, Redis
Cloud:	AWS, Azure
Infrastructure:	Docker, Docker Compose, Terraform, CloudFormation, Nx Monorepo
CI/CD & Monitoring:	GitHub Actions, Docker-based multi-environment pipelines, Blue-Green Deployment, Datadog, CloudWatch
Testing:	Jest, Cypress
Integrations:	Razorpay, Google Maps, Meta Business APIs (WhatsApp, Facebook, Instagram)

PROFESSIONAL EXPERIENCE

NIRMITEE.IO

Nov 2021 – Present

Nirmitee.io is a software consultancy — every engagement below is a client project delivered as a Nirmitee employee.

Software Development Engineer II (SDE 2)

Apr 2024 – Present

Promoted from Software Engineer; I own full-stack and DevOps delivery for client platforms end to end, from system design through to production.

Software Engineer (Consultant Graduate)

Nov 2021 – Apr 2024

Delivered production web and mobile applications for multiple clients, and began the Estateguru engagement that I carried through as SDE 2.

MAJOR PROJECTS

Estateguru — Full Stack Web & Mobile Revamp (FinTech / Real Estate) estateguru.co

Jun 2023 – Present

Context: European property-lending platform operating across 8 countries. Phase 1 (Jun 2023 – Jun 2025) rebuilt the investor-facing web and mobile apps; Phase 2 (from Nov 2025) is new scope — the borrower-facing app.

Stack: Next.js, Node.js, MongoDB, AWS, CI/CD, Terraform, Docker, Nx, SSO / OAuth 2.0, Jest, Cypress, Datadog

- Phase 1: joined as a full-stack developer for the revamp of the legacy investor portal.
- Phase 2: rejoined as project lead, leading a six-person team — 4 developers (2 frontend, 2 backend) and 2 QA.
- Revamped the legacy frontend to Next.js and TypeScript inside an Nx monorepo, rebuilding the investor dashboard, loan listings and auto-invest flows across the web app and React Native mobile app, with shared libraries, types and API clients.
- Migrated the backend to Node.js/Express modular services on MongoDB, designing the schemas and REST APIs for investor, loan and auto-invest data.
- Raised automated test coverage on the investor app from ~40% on the old platform to ~90% on the new one, using Jest and Cypress.
- Delivered role-based access control and social login end to end, and documented the APIs in Swagger so web, mobile and backend build against one contract.
- Owned the CI/CD pipeline and Datadog alerting that keep the platform running, provisioned with Docker and Terraform across development, staging and production.

NextDecade Observability Platform (AIOps) — Project Lead

Jun 2026 – Jul 2026

Context: AI-assisted log analysis and monitoring platform for a sustainable-energy company, part of a larger operations-automation programme. Fixed-scope engagement, 6 weeks.

Stack: React, Node.js, Express, MongoDB, CI/CD, Terraform, Azure, Azure AI Foundry (GPT-5.4), SSO / OAuth 2.0

- Joined as project lead over a five-person team — 4 developers (2 frontend, 2 backend) and 1 QA — mostly backend and DevOps work, owning system design, code review and delivery.
- Built the AI-assisted log analysis platform end to end: ingested logs and metrics from multiple sources, and wired GPT-5.4 through Azure AI Foundry to explain failures and suggest fixes.
- Provisioned the Azure infrastructure with Terraform — App Service, Cosmos DB and Blob Storage — and set up CI/CD out of Azure Repos and Azure DevOps.
- Integrated single sign-on through Okta federated with Microsoft Entra ID, and governed privileged access with Microsoft Entra PIM.

Modcart — Advertising Platform with Real-time Analytics (AdTech) modcart.io

Jun 2022 – May 2023

Context: Advertising platform with embeddable single-page stores and real-time campaign analytics; the platform has since moved to a coupon-based model.

Stack: React.js, Node.js, Express, MongoDB, Redis, Apache Kafka, SSO / OAuth 2.0, AWS, CloudFormation

- Joined as a full-stack developer and took on DevOps after 6 months.
- Owned the architecture and schemas for the single-page stores, and cut initial load from ~4s to under 1s.
- Built role-based access control, social login, Razorpay payments, and Kafka-backed real-time analytics with Redis caching.
- Built a WebSocket-based real-time chat with Meta integrations (WhatsApp, Facebook, Instagram).
- Automated the deployment process and defined every environment as code with CloudFormation, adding blue-green deployment that cut downtime from ~1 minute to under 5 seconds.

ADDITIONAL PROJECTS

Other Nirmitee.io client engagements — check my portfolio for more details.

- **WellCompanion** (Health & Fitness) Jul 2025 – Nov 2025
Health and fitness tracker that captures daily activity and applies AI analysis to surface personalised insights and trends — built solo, BRD to deployment.
- **Boongg** (Mobility) — boongg.com Aug 2022 – Oct 2022
Reworked Boongg's slowest booking queries — the platform's main latency bottleneck — cutting booking search time from ~6s to under 2s on a live rental platform (the client reports 1M+ rides completed).
- **Datachamps** (FinTech) Dec 2021 – May 2022
Replaced Datachamps' manual Power BI report generation with a Selenium-automated pipeline on AWS, eliminating a recurring manual step in the team's financial reporting.
- **GOAPI** (Sports Management) Mar 2023 – May 2023
Sports-management platform connecting children, parents, coaches, managers and club owners with role-based access to schedules and activity tracking — built solo, concept to release.

EDUCATION

Bachelor of Engineering – Datta Meghe College of Engineering

Jul 2016 – Oct 2020

University of Mumbai | Airoli, Maharashtra, India

CGPA: 7.86