Ayush Oli

Senior Full-Stack Software Engineer — TypeScript · Node.js · Next.js · PostgreSQL · Cloud Infrastructure

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Full right to work in the UK (Graduate visa)

PROFILE

Full-stack engineer with 8 years' experience building and running web, mobile and SaaS products in TypeScript, Node.js, Next.js and PostgreSQL. At Fusemachines, managed a team of eight engineers and delivered client work for TIME Magazine and Broadway Licensing. That work included a homepage performance overhaul on a site serving ~1M visits a day: Lighthouse score **38 → 91**, load time **~12s → 1.5s**.

Built production infrastructure from scratch on DigitalOcean with Docker and Kubernetes. Currently the founder and sole engineer of TheChair, a multi-tenant salon SaaS live with three businesses and taking real Stripe payments. Integrates LLMs into products using Claude, RAG and agentic workflows. MSc in Artificial Intelligence Technology.

TECHNICAL SKILLS

Languages: TypeScript, JavaScript, Python, Go, PHP, Ruby, SQL

Frontend: React, Next.js, Vue.js, Tailwind CSS, Ant Design, Storybook, Flutter, Kotlin

Backend: Node.js, Express, NestJS, Laravel, REST APIs, GraphQL, microservices, WebSockets

Data and messaging: PostgreSQL, SQL Server, MongoDB, Redis (caching, Pub/Sub), RabbitMQ, Elasticsearch, Firebase, Prisma, serverless databases

Architecture: multi-tenant SaaS, event-driven systems, background job processing, third-party API integration

Cloud and DevOps: AWS (EC2, S3), GCP, DigitalOcean, Docker, Kubernetes, Nginx, Linux, GitHub Actions, GitLab CI/CD, Jenkins, Argo CD, LGTM observability stack (Loki, Grafana, Tempo, Mimir)

Testing: Jest, Playwright, PHPUnit

Applied AI: Claude, LLM API integration (OpenRouter, Ollama), RAG, agentic and multi-agent workflows, MCP servers, LangChain, n8n, prompt engineering, NLP, OCR

EXPERIENCE

Independent Product Engineering · London, UK

Apr 2026 – Present

TheChair — Founder and Sole Engineer

Apr 2026 – Present

Multi-tenant salon management SaaS. Live in production.

- Designed, built and run a multi-tenant SaaS used by three businesses, handling 100+ appointments a month and live card payments through Stripe.
- Built the whole stack myself: a Next.js, React and TypeScript frontend (Tailwind CSS, Ant Design), a Node.js and Express API, and PostgreSQL with Prisma.
- Shipped appointments, payments and payouts, expense tracking, role-based permissions, business dashboards, and white-label tenants on custom domains.
- Run production on DigitalOcean with Docker, Nginx and Redis, with no major incidents in the last two months.
- Building LLM features with Claude, including an agentic WhatsApp booking assistant that is in development.

All Solicitors — Freelance Product Engineer

Jun 2026 – Present

Paid client engagement for a UK law firm. Built, not yet deployed.

- Own the full lifecycle for the client: requirements, architecture, frontend and backend build, hosting plan, maintenance and client communication.
- Built the public website, appointment booking, contact forms and a firm dashboard. Deployment is being planned.

Apostro — Founder and Product Engineer

Oct 2026 – Present

Legal technology SaaS for small UK law firms. In development, not released.

- Turning the requirements into a reusable multi-firm platform, with frontend and backend under active development.
- Designing a matter-centred workspace for solicitors and lawyers. The roadmap covers document management, client history, WhatsApp, SMS and email messaging, and AI-assisted matter workflows.

EXPERIENCE (CONTINUED)

Fusemachines Nepal · Kathmandu, Nepal
Apr 2022 – Sep 2025

Senior Software Engineer — Jan 2024 – Sep 2025
Software Engineer III — Apr 2022 – Dec 2023

AI product and engineering services company. Product and client delivery for US enterprise clients.

- Managed eight engineers as direct reports. Ran sprint planning and estimation, allocated engineers across projects, reviewed code, mentored, interviewed candidates, wrote performance reviews and made promotion recommendations.
- Made implementation and architecture decisions for the team's work. Acted as the technical contact for clients, project managers and the Technology Manager.
- **TIME Magazine (~1M visits/day):** Worked as a contractor inside TIME's engineering team on backend APIs, the Next.js frontend, the CMS and third-party integrations.
- Raised the TIME homepage Lighthouse performance score from **38 to 91** and cut full page load from **~12s to 1.5s**. The work covered Next.js rendering, lazy loading and SEO, and was measured on mobile and desktop with Lighthouse and PageSpeed Insights.
- **Broadway Licensing:** Built features in the migration of a WordPress platform to Shopify, Next.js and SQL Server, backed by JavaScript microservices and many third-party integrations, running on existing Kubernetes infrastructure.
- Built multi-tenant and event-driven services for internal products and client projects. Used PostgreSQL, MongoDB, Redis (caching, Pub/Sub), RabbitMQ, Elasticsearch, WebSockets and background job queues.

Coax · Melbourne, Australia (remote)
Jun 2024 – Feb 2025

Software Engineer (contract, alongside Fusemachines)

All-in-one communications platform for small businesses.

- Built the platform's DigitalOcean production infrastructure from scratch. It covered Docker and Docker Compose, Kubernetes, an Nginx reverse proxy, SSL, database setup, deployment environments and production monitoring.
- Built Next.js interfaces from Figma designs and extended the existing Go and Express microservices.
- Brought Facebook, Instagram, email, SMS and Twilio inbound and outbound calling into one inbox. Automated business workflows with Workato and Ruby.
- Built embeddable plugins that let customers add platform features to their own websites, and integrated LLM-based features into the product.

Hazesoft · Kathmandu, Nepal
Apr 2021 – Apr 2022

Software Engineer

- Delivered KeplerCloud, a managed hosting platform for the Scandinavian market, on my own for a Swedish client. Covered the Next.js frontend, Express and Laravel backends, and ongoing maintenance.
- Built frontend and backend features for HDL Ecommerce on an existing Kubernetes and Argo CD setup.
- Ran releases through GitLab CI/CD, reviewed code, and worked directly with international clients on requirements.

Diprung Technologies · Kathmandu, Nepal
Aug 2019 – Dec 2020

Full Stack Developer

- Shipped two cross-platform mobile apps in Flutter and Kotlin to production, both rated 4.2+ on Google Play.
- Built small SaaS products end to end with Laravel and Vue.js, from requirements through deployment, for in-house and client projects.

SB Web Technology
Mar 2017 – Nov 2018

SEO Analyst

EDUCATION

MSc Artificial Intelligence Technology — Northumbria University, London — 2025 – 2026

BSc Information Technology — ISMT College, Kathmandu (affiliated with the University of Sunderland, UK) — 2017 – 2024