Sahas Purkuti

Senior Full-Stack Engineer | Next.js, NestJS, PostgreSQL

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SUMMARY

Senior full-stack engineer (5 years) working across Next.js frontends, NestJS services and PostgreSQL. Built a multi-tenant CMS (schema-per-tenant) that serves about 10 client websites, a clinic management service end to end, and the Learning Management backend's video pipeline (S3, FFmpeg/HLS, BullMQ, Redis, Socket.io, Stripe). Also builds LLM pipelines and automation with DeepSeek, OpenAI and Claude APIs, including prompt caching and cost caps.

SKILLS

Languages: TypeScript, JavaScript, SQL, HTML, CSS

Frontend: React, Next.js (App Router), Vue.js, Tailwind CSS, shadcn/ui, Radix UI, Ant Design, Material UI, TanStack Query, Zustand, Redux Toolkit, React Hook Form, Zod, Framer Motion, GSAP

Backend: Node.js, NestJS, Express, REST APIs, WebSockets (Socket.io), BullMQ, Redis, JWT auth, Multi-tenancy, Stripe

Databases: PostgreSQL, Supabase, TypeORM, Prisma, SQLite

AI & Automation: LLM pipelines, AI agents, Prompt caching, OpenAI API, Claude API, DeepSeek API, Web scraping (Playwright, Puppeteer, Cheerio), Text-to-speech (WaveNet, Piper, ElevenLabs API), Video automation (FFmpeg, Remotion)

DevOps & Tooling: Docker, GitLab CI, GitHub Actions, Vercel, AWS S3, Git

Mobile: React Native, Expo, iOS and Android releases, In-app purchases, OTA updates, Offline-first

EXPERIENCE

Senior Software Engineer, Vividia Infosys

Kathmandu, Nepal | Apr 2024 to Present

Vividia Suite (vividiasuite.com): 10 business apps (accounting, HRM, school management, LMS, hotel, clinic, restaurant, inventory, manufacturing, AI assistant) on one multi-tenant platform with 14 NestJS services, PostgreSQL, and iOS and Android apps.

- Own the frontends of five Vividia Suite apps (Workspace sign-in and tenant hub, Superadmin, HRM, Learning Management, Clinic); top contributor to the HRM frontend (374 commits) and author of 331 of 399 Workspace frontend commits.
- Built role-based, multi-tenant UIs on a shared JWT and workspace model, including complex forms, data tables, dashboards and approval flows across 100+ page routes.
- Built backend features for the Learning Management service in NestJS: S3 presigned uploads, an FFmpeg-to-HLS video processing pipeline on BullMQ and Redis, real-time updates with Socket.io, and Stripe payments.
- Created the Clinic service from scratch, backend (NestJS, TypeORM, PostgreSQL) and frontend (Next.js, 54 pages): appointments, live queues, consultations and billing.
- Built a multi-tenant headless CMS (NestJS 11, TypeORM, schema-per-tenant PostgreSQL, Next.js admin) that powers about 10 client websites; wrote 104 of its 118 commits.
- Delivered client websites and platforms with a focus on SEO and Core Web Vitals, including nesfield.edu.np, garimaorganics.com, manasaagro.com, dristilawassociates.com and a CRM for e7star.com.
- Mentor junior and mid-level developers through code review and pairing, and set frontend conventions shared across teams.

Frontend Developer, Cloudyfox Technology

Kathmandu, Nepal | Sep 2021 to Mar 2024

- Built and maintained client web applications in React and Next.js, including Gallerist, a Next.js and Redux platform, as one of its main contributors.
- Built data-heavy dashboards and admin panels with REST and WebSocket data, turning Figma designs into pixel-accurate, responsive UIs.
- Designed reusable component architecture aligned with team standards, and mentored junior developers on code quality and best practices.

SELECTED PROJECTS

- **Fractional Tax** (fractionaltax.com): Tax management platform frontend in Next.js and MUI; main contributor (1,000+ commits, 2024 to 2026) plus the marketing site.
- **MoneyMitra and portfolio management apps**: Fintech dashboards with TradingView, Recharts and ECharts: market data, portfolio analytics and transaction flows.
- **Multi-tenant CMS**: Headless CMS with schema-per-tenant PostgreSQL behind about 10 production sites.

EDUCATION

Bachelor of Engineering in Software Engineering
Nepal College of Information Technology (Pokhara University) | 2016 to 2021