

RITESH KC

Full-Stack Developer

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SUMMARY

Full-stack developer with 4+ years shipping production web applications. Backend in Node.js, NestJS, and PostgreSQL; frontend in React and Next.js. Recent work is LLM systems: RAG, embeddings, vector search, and document extraction.

SKILLS

Languages: TypeScript, JavaScript, Python, Java, SQL, HTML, CSS

Frontend: React, Next.js, Astro, Redux Toolkit, Redux Saga, React Query, Tailwind CSS, Material UI

Backend: Node.js, NestJS, Express, FastAPI, Spring Boot, REST API design, JWT, OAuth, RBAC, Strapi CMS

Data and AI: PostgreSQL, MySQL, MongoDB, pgvector, schema design, query optimization, RAG, embeddings, vector search, chunking

Cloud and DevOps: AWS (App Runner, EC2, RDS, Lightsail), Azure, Cloudflare, Vercel, CI/CD, NGINX, multi-tenant architecture

EXPERIENCE

Freelance Full-Stack Developer | Independent, Kathmandu (Remote) | Dec 2025 - Present

- **Gradsy** (dev.gradsy.io): sole engineer on a study-abroad application platform in Next.js, NestJS, and PostgreSQL on AWS. Built three role-scoped dashboards (student, counselor, admin) behind a default-deny API, enforced booking concurrency with database constraints, and made jobs retry-safe.
- **Noveon** (noveon.wecreatelabs.com.hk): site for a Hong Kong investment firm on Next.js and a self-hosted Strapi CMS. Every page is a CMS entry, so marketing and compliance edit regulator-facing copy without a developer, and six investor pages render from two templates.
- **Marti China** (marti.wecreatelabs.com.hk): corporate site for an engineering company on Next.js with Strapi.

Full-Stack Engineer | Milo Logic Pvt. Ltd., Remote | Aug 2025 - Aug 2026

- Built enterprise multi-tenant architecture serving multiple organizations from one deployment, with tenant scoping at the data layer and custom domain support so each organization serves on its own domain.
- Shipped a block-based website builder and a drag-and-drop form builder, letting non-technical users compose pages, define fields and validation, and publish without a developer.
- Built revenue and analytics dashboards and master data models that keep reference data centrally managed while each organization maintains its own overrides.
- Architected shared React and TypeScript component libraries and design system primitives adopted across 7 products by a 9-person engineering team, and cut JavaScript bundle size to reduce page load times.
- Led on a 7-person engineering team, owning code review standards, technical decisions on the React/Next.js stack, and onboarding and mentoring of junior devs

Full-Stack Engineer | Azminds Services, Kathmandu | Aug 2024 - Jul 2025

- **Yachtcloud** (yachtcloud.net): live multi-tenant yacht booking platform where each operator runs as its own business under one admin panel. Built the remaining booking flows and third-party integrations, then used Hotjar recordings and funnel data to find checkout drop-offs and simplify the flow. **Tripled sales.**
- Driving School Wiz: multi-tenant platform serving 5 driving schools, each on its own subdomain, with subdomain scoping on every request so one owner can run multiple schools without data crossover. Real-time instructor scheduling and assignment tracking.

Associate Frontend Developer | Azminds Services, Kathmandu | Apr 2023 - Jul 2024

- Built pension and revenue management modules for the Nepal Agricultural Research Council (NARC), a Government of Nepal agency, giving staff a single tracked record of pension disbursements and revenue entries.
- Shipped production React and Next.js features with Redux Toolkit and Redux Saga for complex asynchronous flows, migrated JavaScript codebases to TypeScript, and optimized fetching and caching with React Query.

Junior Frontend Developer (promoted from Intern) | Lanceme Up, Lalitpur | Jan 2022 - Mar 2023

- Delivered 4+ client React applications with Redux Toolkit and Material UI from Figma designs, including multi-locale builds with i18n over REST APIs.

EDUCATION AND LANGUAGES

Bachelor of Computer Application (BCA), Information Technology | Kathmandu College of Technology, Tribhuvan University | 2021 - 2025

Languages: English (Professional), Nepali (Native), Hindi (Native)