

Nav Raj Joshi

Full-Stack Engineer (Node.js + React)

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SUMMARY

Full-stack engineer experienced in building production-style web applications with Node.js, React, and TypeScript across backend and frontend. Skilled in API design, authentication, data modeling, React state and rendering, async patterns, error handling, and testing. Comfortable evaluating code for correctness, security, and performance, conducting code reviews, and writing clear technical explanations. Detail-oriented and methodical, with fluent English.

TECHNICAL SKILLS

Languages	TypeScript (backend & frontend), JavaScript (ES6+), SQL, HTML5, CSS3
Backend (Node.js)	Async patterns, event loop, REST API design, validation, error handling, security, background jobs/queues; Express, Fastify, NestJS
Frontend (React)	Hooks, component patterns, state management, performance optimization, forms, accessibility basics; Next.js
Data Layer	PostgreSQL, MySQL, MongoDB; schema design, migrations, indexing, query optimization; Prisma, TypeORM
Auth & Security	Sessions vs JWT, cookies, OAuth/OIDC, RBAC/ABAC, secure secrets handling
Testing & CI/CD	Unit / integration / E2E (Jest, Vitest, React Testing Library, Playwright/Cypress), CI/CD workflows
Other	Git & GitHub, code review, observability basics, technical writing, AI coding assistants, English (C1)

PROJECTS

SlotBook — Full-Stack Appointment Booking App

Next.js, TypeScript, Prisma, PostgreSQL, Clerk · github.com/navrajjoshi/Slotbook

- Built end to end with Next.js and TypeScript: PostgreSQL schema via Prisma, server actions/APIs, and a responsive React UI.
- Implemented authentication and role-based access (Clerk), with attention to validation, error handling, and data integrity.

Job Portal — MERN Stack Web Application

Node.js, Express, MongoDB, React, JavaScript · github.com/navrajjoshi/Jobify-MERN-Stack-Job-Portal

- Designed REST APIs in Node.js/Express with MongoDB data models and a React front-end with protected routes.
- Handled async flows, authentication, and search/filter; reviewed code for correctness and performance.

EXPERIENCE

Full-Stack Developer (Node.js + React) · Independent & Self-Directed Projects

2024 – Present

- Built full-stack TypeScript applications end to end with Node.js/Express and React/Next.js, including API design and data modeling.
- Implemented authentication, validation, and error handling; evaluated code for correctness, security, and performance.
- Wrote tests and documentation, performed code reviews, and used AI coding assistants critically to validate output.

EDUCATION

Bachelor of Information Technology (BIT), NCMT College, Kathmandu

Expected 2026

Higher Secondary (+2), Science, Morning Glory Sec. School, Kanchanpur

2020

Languages: English (C1, written & spoken), Nepali (native)