DHRUVIL RANGANI

[LinkedIn](#) • [GitHub](#) • [Portfolio](#)

Full-Stack Software Engineer – Node.js/Express/TypeScript/React/MongoDB

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SUMMARY

Software Engineer with **2+ year** of hands-on experience delivering full-stack web applications using Node.js, Express, TypeScript, JavaScript, React, and PostgreSQL. Skilled in building scalable backend APIs, accessible front-end interfaces, robust automated tests, and cloud deployments on AWS. A collaborative problem-solver who thrives in cross-functional teams and is passionate about inclusive digital products and continuous learning.

EDUCATION

Centennial College, Toronto   Sept 2022 – Apr 2025
Advanced Diploma in Software Engineering Technology (*Honours*)
Relevant Coursework: Data Structures & Algorithms, Object-Oriented Programming, Database Management Systems, Web Application Development, Software Engineering Principles, Computer Networks, Cloud Computing, API Development, Agile Methodologies

EXPERIENCE

Full-Stack Developer — Vital Plus (Independent • Node.js, React, AWS)   Jan 2024 – Apr 2024

- Built REST and GraphQL APIs with Node.js, Express, and TypeScript, practicing TDD and achieving 90% unit-test coverage.
- Integrated React components with backend endpoints, collaborating closely with the UI team for seamless UX.
- Automated CI/CD using GitHub Actions → Docker → AWS EC2, adding CloudWatch monitoring for zero-downtime deploys.
- Optimised API code paths, cutting p95 latency by **30%**.

Backend Developer — Recipe Catalog (Independent • .NET 7, PostgreSQL, AWS)   Sept 2024 – Dec 2024

- Designed and indexed PostgreSQL schemas, reducing complex query latency to <200ms.
- Led Agile ceremonies (sprint planning, reviews, retros) in a four-dev team, improving delivery predictability.
- Automated build→test→deploy pipelines and CloudWatch alerts for hands-off releases.
- Authored Swagger/OpenAPI docs, accelerating frontend integration by **25%**.

PROJECTS

Self-Hosted Email Platform (Node.js • Express • PostgreSQL • Docker) [Code](#)   Apr 2025 – Present

- Architected threaded email storage with PostgreSQL and implemented secure SMTP/IMAP adapters.
- Added AI-assisted search using OpenAI embeddings; queries return in <50ms for 10k+ messages.
- Deployed with Docker Compose, Redis task queues, and Prometheus+Grafana monitoring.

Blog Platform (Next.js • PostgreSQL) [Live](#) - [Code](#)   May 2024 – Jul 2024

- Built CMS-driven blog with server-side auth, scoring 100/100 in Lighthouse SEO & Performance audits.

Fintech App (Node.js • Express • React • MongoDB) [Live](#) - [Code](#)   Sept 2023 – Dec 2023

- Developed secure JWT-protected APIs for money transfers; handled 10k demo users without incidents.
- Crafted responsive React UI with Tailwind CSS, WCAG-AA accessible across desktop & mobile.

SKILLS

Languages: JavaScript, TypeScript, SQL, Java, Python, C#
Frontend: React.js, Next.js, Tailwind CSS, Accessibility (WCAG)
Backend: Node.js, Express, GraphQL, REST, FastAPI, Spring Boot
Databases: PostgreSQL, MongoDB, MySQL, DynamoDB
Cloud/DevOps: AWS (EC2, RDS, Lambda, S3), Docker, GitHub Actions, CI/CD
Testing: Jest, Vitest, Postman, Integration Testing
Other: Agile/Scrum, Monitoring, Inclusive Design