DHRUVIL RANGANI

dhruvilrangani007@gmail.com | Toronto, ON, Canada | linkedin.com/in/dhruvilrangani007 | github.com/Dhruvil-Rangani |
dhruvilrangani.com/

PROFESSIONAL SUMMARY

Full-Stack Software Engineer with 2+ years of combined academic and project experience in Node.js, TypeScript, React, Next.js, Tailwind CSS, and PostgreSQL. Skilled in building scalable APIs, creating accessible UIs with Figma, managing workflows with Jira, and AWS cloud deployment. A collaborative problem-solver passionate about inclusive digital products and generative AI solutions.

EDUCATION

Centennial College   **September 2022 - April 2025**
Bachelor's, Computer Science   *GPA: 3.73*
- Relevant Coursework: Data Structures & Algorithms, OOP, Database Management, Web App Dev, Software Engineering Principles, System Design, Cloud Computing, Computer Networking, API Dev, Agile Methodologies.

PROFESSIONAL EXPERIENCE

Recipe Catalog - Team Project   **Remote**
Backend Developer   *September 2024 - December 2024*
- Reduced complex query latency to under 200 ms in backend systems by designing and indexing Postgres schemas and integrating them with Node and TypeScript services, ensuring scalable data access for the Recipe Catalog application.
- Accelerated frontend integration by 25% by authoring comprehensive Swagger/OpenAPI documentation for JS and Next.js APIs, streamlining collaboration between backend and frontend teams during Agile development.
- Increased deployment reliability and reduced manual intervention for an open source Recipe Catalog project by automating build, test, and deploy pipelines with Node and TypeScript, and configuring CloudWatch alerts for hands-off releases.

Vital Plus - Team Project   **Toronto, ON, Canada**
Full-Stack Developer   *January 2024 - April 2024*
- Increased API reliability and test coverage to 90% by engineering scalable backend services using Node.js, Express.js, and TypeScript, implementing TDD and integrating Postgres for robust data management.
- Delivered seamless user experiences across devices by designing high-fidelity Figma mockups and developing responsive React and Next.js components with JS and TypeScript, ensuring accessibility and consistency.
- Enabled zero-downtime deployments and improved traceability by automating CI/CD pipelines using GitHub Actions, Docker, and AWS EC2, leveraging CloudWatch for monitoring and managing tasks with Jira, while contributing to an open source codebase.

PROJECTS

AI-Powered Email Platform - *Link to project*   **Remote**
                                                                                                                   April 2025 - Present
- Enabled real-time, AI-assisted search across 10,000+ email messages with sub-50 ms response times by integrating OpenAI embeddings and optimizing Postgres queries, utilizing Node and TypeScript for backend logic.
- Improved scalability and reliability of email delivery and retrieval services by architecting a threaded email storage system in Postgres and implementing robust SMTP/IMAP adapters using Node and JS, deployed with Docker Compose and Redis task queues.

Fintech App - *Link to project*   **Remote**
                                                                                                       September 2023 - December 2023
- Enabled secure transactions for 10,000 demo users by engineering JWT-protected backend APIs with Node, TypeScript, and Postgres, ensuring robust authentication and scalable architecture.
- Enhanced accessibility and user engagement by designing a responsive frontend using React, Next.js, JS, TypeScript, and Tailwind CSS, meeting WCAG-AA standards across devices.
- Contributed to code quality and open source collaboration by following coding standards, PR review feedback, and best practices throughout the software development lifecycle.

Blog Platform - *Link to project*   **Remote**
                                                                                                                May 2024 - July 2024
- Achieved perfect Lighthouse SEO and Performance scores (100/100) by engineering the frontend with Next.js, TypeScript, and JS, following best practices for accessibility and performance.
- Ensured robust security and seamless user experience by integrating backend authentication with Node and Postgres, enabling role-based content management for the platform.

SKILLS

Skills: JavaScript, TypeScript, Python, C#, HTML/CSS, React.js, Next.js, Node.js, Express.js, ASP.NET, Material UI, Tailwind CSS, Figma, Accessibility (WCAG), GraphQL, REST APIs, FastAPI, Spring Boot, PostgreSQL, MySQL, MongoDB, DynamoDB, NoSQL, Microservices, AWS (EC2, RDS, Lambda, S3), Docker, GitHub Actions, CI/CD, Jest, Postman, Unit Testing, Agile/Scrum, Git, JIRA, Inclusive Design, Monitoring Concepts