

Neelkanth Dabhi

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SUMMARY

Software Engineer with 4+ years developing scalable Java applications and REST APIs serving millions of users. Experienced with distributed systems, microservices, and secure authentication. Proven ability to deliver technical solutions, collaborate across teams, and optimize performance in production environments.

EXPERIENCE

Software Engineer II

Canada Revenue Agency

May 2021 - April 2025

Remote, Canada

- Developed a unified REST API framework over legacy Java/EJB systems, implementing clean, maintainable code patterns with comprehensive unit tests; reduced development costs by around 20%.
- Engineered a distributed batch processing system in Java to migrate 2M+ records across 3 production SQL databases; optimized query execution plans and indexing to eliminate cross-database joins and achieve sub-second lookups.
- Designed and implemented CI/CD pipelines with Jenkins, containerized legacy services with Docker, and evaluated Kubernetes orchestration patterns for horizontal scaling, failover recovery, and zero-downtime deployments.
- Secured enterprise-grade APIs with OAuth 2.0 authentication and authorization, managing access control for internal applications and external integrations with third-party services like TurboTax and H&R Block.
- Translated complex product requirements into backend architectures and end-to-end APIs; led API contract reviews with front-end teams and proactively resolved cross-layer defects before release.
- Implemented comprehensive monitoring and alerting for JVM health and API performance metrics, enabling rapid incident response and maintaining system stability during peak tax season traffic and critical production deployments.
- Led an Agile team as Scrum Master, boosting sprint throughput over six months; designed and executed onboarding for three engineers, mentoring them on internal schema, system architecture, and API design.

SELECTED PROJECTS

GitFolio | JavaScript, React, GitHub REST APIs, Vercel, FusionCharts

- Built a dynamic portfolio application using React and Styled Components, connecting to the GitHub REST API to visualize a user's activity and contributions through interactive charts powered by FusionCharts.
- Managed the end-to-end project lifecycle, from initial development to successfully deploying a live, public-facing application on Vercel, demonstrating a strong ability to deliver a polished product from concept to completion.

FireBlog | Java, Android, Firebase, Material Design, Glide

- Developed a full-featured photo blogging application with a modern UI/UX, enabling users to create, share, and manage content while interacting with other users through a clean and intuitive interface.
- Built a production-ready social media app by integrating Firebase services, including Firestore, Authentication, Cloud Messaging, and Crashlytics, to handle user data, secure logins, and error reporting.

EDUCATION

Master of Applied Computer Science

Dalhousie University

2020 - 2021

Halifax, Canada

Bachelor of Computer Engineering

Gujarat Technological University

2015 - 2019

Ahmedabad, India

TECHNICAL SKILLS

Languages & Frameworks:

Java, Spring Boot, MVC, JavaScript, Node.js, React, Angular

Databases & Messaging:

MySQL, MongoDB, GraphQL, RabbitMQ, Transactions & ACID

Back-end & Cloud:

REST APIs, gRPC, Docker, GCP, Firebase, Vercel, API Design, Microservices

Tools & Methodologies:

Git, Jenkins, Maven, JUnit/Mockito, TDD, CI/CD, SOLID Principles, Design Patterns