

SURABHI NAG

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TECHNICAL SKILLS

Programming Languages:

Java, JavaScript/TypeScript, Python, SQL, C, C++

Frameworks & Platforms:

Spring Boot, REST APIs, Zustand, OpenShift, Harness

Tools & Databases:

Git, Docker, Jenkins, Postman, Jira, Jest, Selenium; Oracle, Postgres, MySQL, MongoDB

WORK EXPERIENCE

Software Engineer, Citi Canada

Jul 2025 - Present

- Build and maintain **backend services** for certificate onboarding in Citi's Developer Portal.
- Delivered **eIDAS** certificate upload support end-to-end, including type detection and validation.
- Investigate and resolve **production issues** by tracing logs and analyzing **Oracle SQL** activity across legacy services and tables.
- Implement new certificate workflow requirements in **Spring Boot**, partnering with QA through test and release.
- Deploy and operate services on **OpenShift** via **Harness CI/CD**, while driving dependency remediation and tech-debt cleanup.

Software Engineering Intern, Citi Canada

May 2024 - Aug 2024

- Built a highly interactive **React** dashboard with **Zustand state management** for real-time visualization of metrics and internal data-logs.
- Shipped responsive **UI components** to improve accessibility and usability.
- Created a **data ingestion pipeline** to upload and visualize different file formats (e.g., CSV).

Software Development Co-op, Thrive Health

Jan 2023 - Aug 2023

- Built and optimized **React** features for patient management workflows and accessibility.
- Developed interactive charts for patient trend analysis.
- Improved performance by refactoring database queries on large healthcare datasets.
- Led **UI test automation** using Selenium, reducing regressions.

Web and Software Development Intern, Hope Media House

Mar 2022 - Dec 2022

- Built a shipping cost calculator for a B2B marketplace and implemented rate optimization logic.
- Developed mobile features in **React Native** for iOS and Android apps.
- Refactored a native application to enable both clients and vendors to access distinct user sessions within a unified codebase.
- Delivered bug fixes and UI improvements across Shopify/WordPress clients.

PERSONAL PROJECTS

Appetite, Restaurant Search Application

Jul 2020

- Built a restaurant search application with reusable components and fast navigation; improved responsiveness with reducer-based state.

EDUCATION

Bachelor of Science, Computer Science Major

Sep 2020 - Apr 2025

The University of British Columbia, Vancouver, BC.

Relevant Coursework: Intermediate Algorithms & Data Structures, Software Construction, Object-Oriented Design, Web Development, Human-Computer Interaction