

ARADHYA SINGH

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EDUCATION

Bachelor of Science in Computer Science
York University

Sept 2019 – Apr 2024
Toronto, ON

SKILLS

Languages: Java, TypeScript, JavaScript, Python, SQL, C, Bash

Frameworks: Spring Boot, Next.js, Node.js, React.js, Prisma, tRPC

Developer Tools: AWS, Docker, GraphQL, MongoDB, Firebase, JUnit, Maven, Redis, S3, Selenium, PostgreSQL, MySQL

EXPERIENCE

Business Analyst

CIBC

Jan 2024 – Present

Toronto, ON

- Used **Python** to automate the assignment of fraud cases from **SharePoint** and other platforms to investigators, improving process efficiency by **20%**.
- Utilized internal programs and tools like **SharePoint**, **CRM** and Risk Manager to streamline fraud claim management, leading to a **20%** improvement in process efficiency.

Java Developer

Computing Students Hub : York University

Oct 2023 – May 2024

Toronto, ON

- Developed a merchandise store using **Java**, **Spring Boot**, and **PostgreSQL**, implemented **REST APIs** to manage transactions and user interactions, ensuring seamless integration across platforms.
- Implemented **MVP** architecture to streamline development, reducing time to delivery by 20%, directly relevant to multi-tasking and time management requirements.
- Designed an efficient **PostgreSQL** database structure for inventory and orders, resulting in a 40% improvement in data retrieval efficiency.

Software Developer

yuHacks - Hacakthon

Sept 2023 – Jan 2024

Toronto, ON

- Led development of the yuHacks portal, enhancing the registration system for over 500 participants, and facilitating efficient sponsor, hacker, and volunteer management using **TypeScript** and **Next.js**.
- Implemented **GraphQL API** within a **Node.js** backend, reducing data retrieval times by **30%** and improving admin efficiency in managing event logistics. Utilized **PostgreSQL** for scalable and reliable data storage.
- Coordinated with **UI/UX** designers to translate user requirements into a responsive and intuitive interface, increasing user satisfaction by **25%**, and conducted rigorous testing to enhance application stability and security.

Quality Engineering Intern

theScore

Jan 2023 – Sept 2023

Toronto, ON

- Conducted **Regression** and **Smoke** testing on **UAT**, **staging**, and **production** environments for Android, iOS, and web applications, significantly enhancing app reliability by **20%**.
- Streamlined QA processes using **TestRail** for testing and **Jira** for bug tracking, resulting in a **30%** increase in efficiency and a **25%** reduction in QA cycle times.
- Improved automated test accuracy and efficiency by **50%** through effective use of **Charles Proxy** for API response validation.

PROJECTS

PageMind [↗](#) | **TypeScript**, **Next.js**, **Prisma**, **LangChain**, **Pinecone**, **tRPC**, **Zod**, **Kinde**, **Stripe**, **shadcn-ui**

- Created an AI-driven platform for real-time PDF interaction, utilizing **LangChain**, **Pinecone**, **Prisma**, **Postgres** and **Stripe** for content processing, vector storage, data storage, user management and payments.

DataScope: Data Analysis [↗](#) | **Java**, **JUnit**, **Java Swing**

- Developed a Java-based data analysis application with an intuitive GUI, using **Strategy**, **Observer**, and **Mediator patterns**, and tested with **JUnit**.

Vending Machine [↗](#) | **Java**, **JUnit**

- Built a vending machine system using **State**, **Factory**, **Observer** and **Command patterns** for state management, dynamic product types, and multiple payment methods.

Serverus [↗](#) | **TypeScript**, **Node.js**, **Express.js**, **Next.js**, **AWS EC2**, **Redis**, **S3**, **Docker**

- Automated web app deployment from **GitHub** to **AWS EC2** with **Redis** caching and **Docker** containerization for scalable infrastructure.

FloWrite [↗](#) | **JavaScript**, **Socket.io**, **MongoDB**, **React.js**

- Developed a real-time document collaboration platform using **Socket.io** for live communication, **React.js** for the UI, and **MongoDB** for backend data management.