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Summary of Qualifications

Languages: Python, Java, JavaScript, TypeScript, Kotlin, C++, C, SQL, Bash, HTML/CSS Technologies/Frameworks: Node.js, Spring, React, Redux, Plotly, Selenium Tools/Methodologies: Kubernetes, Docker, AWS, GCP, DynamoDB, PostgreSQL, Git

Education

University of Waterloo | GPA 3.8

Candidate for Bachelor of Applied Science, 4B Computer Engineering

- Achievements: Dean's Honours List, University of Waterloo President's Scholarship for academic distinction
- Relevant Courses: Software Architecture, Database Systems, Data Structures and Algorithms

Work Experience

Software Engineer

Verkada | Search and Computer Vision Team

- Facilitated a high-impact project for a unicorn enterprise security system start-up, serving over **20,000** customers.
- Designed and executed an initiative to aggregate disparate identity concepts, simplifying identity feature development and ensuring a unified approach to identity management across the organization.
- Engineered highly scalable API endpoints using **Python**, to streamline and support the integration of identity aggregation across multiple teams.
- Optimized Elasticsearch queries for improved data retrieval, enhancing data processing efficiency by 20%.
- Redesigned and enhanced email-based alerting for face and license plate recognition events.
- Engineered sophisticated **React/Redux** features, empowering users to create and manage unified identities with ease.

Software Engineer

Zynga | Analytics Platform Engineering

- Elevated and supported a business-critical analytics platform for a multi-billion dollar entertainment company. • Implemented a Splunk monitoring and alert system to track the status of Celery workers of an internal Jupyter
- Notebook editor, enabling proactive response and increasing bug fix time by 30%.
- Researched and architected an auth system for a budget optimization tool, protecting highly sensitive revenue data using Plotly Dash, Python, and JavaScript.
- Revamped the routing system for the analytics **React/Redux** application, offering a smoother user experience.
- Supported the development of core back-end functionalities and database integration with Spring and Java.

Software Engineer

Nuvalence | Common Designer Platform Team

- Contributed in a consulting capacity, to the development of an application creation platform for a major human capital management company, allowing clients to create highly scalable applications with elevated efficacy and minimal code.
- Orchestrated the construction of a feature flag dashboard project that enhanced the development experience of both software engineering teams and platform users, using **DynamoDB** and **Node.js**.
- Designed and implemented modular and reusable **RESTful APIs** with **JavaScript/TypeScript**, to service requests and facilitate communication between the **CRUD** application and DynamoDB client.

Software Developer

Martello Technologies | Mitel Performance Analytics Development Team

- Engineered and maintained components for a Microsoft-recommended network diagnostic platform.
- Developed well-structured and scalable features for over 10,000 customers using Java/J2EE technologies with Spring frameworks and integrated relational databases using Hibernate.
- Aggregated privileged revenue-critical data with **SQL** and internal tools, progressing major business negotiations.

Software Engineer in Test

Telus Health | Medesync Team

- Architected scripts to ensure the scalability and sustainability of a large scale electronic medical records project.
- Incorporated a **Python** script to aggregate XML test results into a stylized excel sheet and to email to team members, increasing efficiency by 30% with the reduction of time needed to manually interpret data.

Projects

BLock | React, Node.js, C++, PostgreSQL

• Created a distributed locker booking/management system, integrating a hardware lock component with a web platform.

Munchbox | Kotlin, Firebase, Stripe

• Developed an Android app facilitating meal arrangements at reduced costs, connecting students with local restaurants.

Kanata, Ontario

Sept 2021 - Dec 2021

Toronto, Ontario

May 2022 - Aug 2022

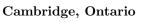
New York City, New York



Rose Lin

Waterloo, ON Sept 2019 - Apr 2024 (expected)

Jan 2023 - Apr 2023



Jan 2021 - May 2021

Course Project

Capstone Project

Sept 2023 - Present

San Mateo, California