Rose Lin

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Summary of Qualifications

Languages: Python, Java, JavaScript, TypeScript, C++, C, SQL, Bash, HTML/CSS
Technologies/Frameworks: Node.js, Spring, Maven, React, Redux, Plotly, Selenium
Tools/Methodologies: Kubernetes, Docker, Amazon Web Services, Google Cloud Platform, DynamoDB, PostgreSQL, Git

Education

University of Waterloo | GPA 3.8   **Waterloo, ON**
Candidate for Bachelor of Applied Science, 4A Computer Engineering   Sept 2019 - Apr 2024 (expected)

- 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   **Toronto, Ontario**
Zynga | Analytics Platform Engineering   Jan 2023 - Apr 2023

- 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.

Software Engineer   **New York City, New York**
Nuvalence | Common Designer Platform Team   May 2022 - Aug 2022

- 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.
- Re-engineered existing features to enable internal developers to safely revert changes and increase feature serviceability across multiple facets of the platform, resulting in the **improvement of internal development time by 20%**.

Software Developer   **Kanata, Ontario**
Martello Technologies | Mitel Performance Analytics Development Team   Sept 2021 - Dec 2021

- 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   **Cambridge, Ontario**
Telus Health | Medesync Team   Jan 2021 - May 2021

- 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.

QA Analyst   **Toronto, Ontario**
Newtopia | QA Automation Team   May 2020 - Aug 2020

- Spearheaded automation and developed internal tools for a disease prevention company serving over 10,000 customers.
- Reduced testing times by **90%** through test automation scripts developed using **Selenium**, **Appium**, and **Java**.

Projects

Pinpoint | *Python, PyGame, Google Cloud Vision API*   **Hackathon**

- Harnessed **Google Cloud Vision API** to create an educational app that allows users identify objects from live photos.

Sticky Notes | *React, Node.js*   **Personal**

- Designed and created a sticky note dashboard with local caching using **React and Node.js**.