

Jasmine Sun

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EDUCATION

University of Waterloo

Sep. 2020 – April 2025

Systems Design Engineering (BASc)

Waterloo, ON

Relevant courses: Data Structures and Algorithms (C++), Digital Computation (C++)

TECHNICAL SKILLS

Languages: JavaScript/TypeScript, Java, C++, C#, Go, Python, HTML, Kotlin, SQL, GraphQL, CSS/SCSS

Frameworks/Libraries: React, Angular, .NET, JUnit, Moq, Bootstrap, Espresso, Appium

Developer Tools: AWS, Docker, New Relic, Sumo Logic, DevSpaces, Node.js, Argo CD, Jenkins, TeamCity, Snowflake, Google Cloud Platform, MySQL, Android SDK, Git, VS Code, IntelliJ, Eclipse

EXPERIENCE

Software Engineering Intern

May 2023 – Present

Lacework

Mountain View, United States

- Leading the end-to-end process of the enhancement project for Lacework's Interactive Alerts Timeline functionality.

Full-Stack Developer

Jan 2023 – Apr 2023

Varicent

Toronto, Canada

- Implemented comprehensive change tracking for quota management, planning cycles, and other key application areas in **TypeScript** and **React**, covering eight distinct event types within the audit trail system.
- Spearheaded the development of a user-friendly interface for changing planning cycle start dates.
- Resolved 12 SEV1 issues in a 3-week sprint, optimizing data import, user management, and file uploads.

Software Engineering Intern

May 2022 – Aug 2022

Xero

Toronto, Canada

- Created a system in **C# .NET** to enable **3 million+** users to convert bank statement PDFs to CSV with a click
- Leveraged OCR and wrote **2k+** lines of extractor logic to increase bank statement type extraction success by **65%**
- Implemented **40+** Moq/NUnit unit and integration tests for **100%** test coverage, deployed via TeamCity
- Saved **10** developer-hours/week by creating a New Relic NRQL dashboard to detect production user issues
- Used **Docker** and **AWS** to create containers and images for cloud application deployments
- Extended Xero's API to include exception handling for cryptographic errors and Redis dependency exceptions

Web and Mobile Developer

Sep 2021 – Dec 2021

Rich Media

Toronto, Canada

- Acted as the point of contact for projects to create webpages with automated financial calculators for banks
- Built AODA/WCAG 2.0 compliant marketing landing pages in **JavaScript**, generating **\$100,000** in revenue
- Fixed **80+** critical bugs in **JavaScript/TypeScript** and **Angular** codebase that affected **10,000+** users
- Wrote **JavaScript** component libraries to improve usability and screen reading capabilities across all applications
- Integrated JUnit testing and input validation checks to improve test coverage by more than **40%**

Test Automation Engineer

Jan 2021 – Apr 2021

Ritual

Toronto, Canada

- Led QA efforts for user-facing projects, and tested server endpoints using **BigQuery** and **MySQL**
- Implemented **50%** of Android automated test cases in **Kotlin**, Appium, and Espresso for the build sanity suite
- Caught **150+** bugs that would have impacted **1 million+** users by enhancing test coverage
- Created TestRail test plans for **10** projects and reviewed them with key stakeholders

PROJECTS

Themeify

Dec 2021 – Present

- Built a web application allowing users to search the **70 million** songs from the Spotify API and play them with lyrics on-screen
- Utilized **React** for state management of search results and songs, and **Bootstrap** to customize the UI
- Created HTTP requests for token-based authentication and displayed relevant **JSON** data using Axios