David Liu

rumalzliu@gmail.com | linkedin.com/in/davidfliu | davidfliu.com

TECHNICAL SKILLS

Languages: Java, Kotlin, Python, SQL, Javascript, HTML
Technologies: Docker, Kubernetes, AWS, REST API, Apache Tomcat, JMeter, Mockito
Developer Tools: IntelliJ IDEA, Eclipse, VS Code, Git, Jira, Bitbucket, Bamboo, Confluence, Postman

EXPERIENCE

Amazon   May 2021 – Present
Software Development Engineer II   *Seattle, WA*

Building the future of retail shopping at Amazon Go - a new kind of store. No lines, no checkouts - just grab and go.

Densify   Feb 2019 – Dec 2020
Software Engineer   *Toronto, CA*

Densify provides intelligent enterprise cloud & container resource management allowing organizations to manage their resources more efficiently.

- Built subscription REST API service using Jersey RESTful Web Services framework enabling end users to subscribe to relevant cloud and container recommendations.
- Designed and developed automated API test plan using Apache JMeter to ensure testing of all validation constraints and full testing coverage of all supported subscription API endpoints.
- Improved Densify's AWS billing audit data collection by refactoring code redundancies and optimizing SQL queries, increasing performance by 85%.
- Rapidly developed fixes for high priority customer production issues, conducting full testing coverage for each fix in local (Windows) and container (Linux/Docker/Kubernetes) environments.
- Led an engineering wide initiative to write technical Confluence documentation to facilitate knowledge transfer.
- Designed and collaborated with product owners to create customized drill down BI reports in JasperReports.

IBM   May 2017 – Feb 2019
Software Engineer   *Toronto, CA*

The IBM Debug team enables rapid and scalable development of z System applications through the development of the IBM Debugger.

- Led development of the Debug Manager component which manages all TCP/IP connections between multiple remote clients and a host allowing for secure live debug sessions.
- Took ownership for triaging and responding to any debugger security vulnerabilities as the team PSIRT lead.
- Formalized team on-boarding process by proactively writing new hire documentation and providing hands on skills training, onboarding 4 team members.
- Led a monthly retrospective meeting of engineers to identify, review, and resolve technical gaps.
- Introduced team wide adoption of Mural to conduct virtual whiteboard design sessions with local and remote team members.

IBM   May 2015 – Aug 2016
Software Engineer Intern   *Toronto, CA*

The Master Data Management (MDM) Performance and Benchmarks team develops robust tools to ensure the latest MDM builds perform and exceed performance expectations.

- Built a performance regression tooling automation system to automate the end to end regression testing process on IBM MDM developer builds, reducing build testing by 70%.
- Designed the internal Log Analyzer HTML report, allowing MDM developers to analyze system logs with detailed statistics, reducing log analysis turnaround time by 95%.
- Mentored incoming team interns over a four month period, providing hands on pair programming and MDM technical knowledge transfer.

EDUCATION

Queen's University   2012 - 2017
Bachelor of Computer Science   *Kingston, ON*