Max Li (he/him)

Senior Software Engineer

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LinkedIn • Toronto, ON
Personal Website

Results-driven Senior Software Engineer with extensive experience in leading large-scale technical projects and delivering impactful solutions. Expertise in distributed systems, algorithms, and relational databases, with a proven track record of enhancing scalability and implementing resilient features. Proficient in Spring Boot, Kubernetes, and cloud services. Skilled at managing the full software development lifecycle, optimizing processes, and ensuring robust, scalable systems.

Technical Proficiencies

Programming Languages:	Java, SQL, Python, HTML, CSS, JavaScript
Framework & Applications:	Spring Boot, Angular, React, Flask
Tools & Technologies:	Kafka, S3, Docker, Kubernetes, CI/CD workflows

Career Experience

SS&C Technologies, Toronto   **2021 – Present**
Senior Software Engineer

- Led the File Mapper project, automating file format conversions and layout transformations. Reduced manual work by 90%, improved data accuracy to 99.5%.
- Managed end-to-end project lifecycle, including stakeholder requirement gathering, scalable architecture design, Jira ticket creation and prioritization, and cross-functional team coordination for timely delivery.
- Developed and deployed Spring Boot micro-services for file parsing, validation, mapping, and enrichment. Implemented comprehensive audit logging, improving system traceability and compliance.
- Integrated S3 and Kafka to optimize file processing workflow. Successfully migrated from legacy Mainframe system, reducing processing time by 60% and cutting operational costs by 40%.
- Conducted rigorous testing and optimization, achieving 99.9% system uptime. Ensuring robustness, scalability, significant cost savings, and comprehensive error handling.

York University, Toronto   **2020**
Research Assistant

- Independently developed a feature-rich online Python IDE using Bootstrap, JavaScript, and PHP.
- Facilitated remote learning by implementing functionality for grading, storing, retrieving, and submitting projects directly through the web application.
- Created comprehensive documentation which covers project architecture, design decisions, user manual, and maintenance guide.

Additional Experience

York University, Toronto
Software Engineering Lab Assistant

- Developed assignments, labs, and projects for high-level Computer Science and Software Engineering courses.
- Automated assignment grading process by writing Python scripts, significantly increasing grading efficiency.
- Provided academic support through tutorial sessions and one-on-one assistance with assignments.
- Manually graded labs and projects to ensure thorough evaluation and feedback.

Education

Bachelor of Computer Science – Software Development Stream (Dean's Honour, 2020)

York University, Toronto, Canada

Languages

English | Chinese (Mandarin)