Ming-Cee Yee

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Backend web developer with 3 years experience in AWS serverless with TypeScript/Node.js and 4 years in Java/Spring. Domain experience in healthcare and employer of record spaces.

Work Experience

Software Engineer Oct 2021 – present
G-P Remote from Toronto, ON

- Delivered event-driven workflows with AWS serverless technologies and refactored a monolithic Spring-based platform, increasing volume and speed of client self-serve onboardings
- Migrated MySQL database to DynamoDB, by designing new tables and data models decoupled from existing integration, increasing database efficiency and extensibility for future integrations
- Reduced workflow processing time by replacing cron jobs with AWS step functions and webhook-triggered lambdas, achieving more than 1000x speedup
- Enhanced system monitoring and traceability by configuring New Relic dashboards and introducing logging codes, increasing observability by 90%
- Developed and deployed a new React micro frontend within a rapid turnaround, playing a key role in the timely and successful launch of the initial product release

Software Developer Jun 2020 – Sep 2021
Centre for Digital Therapeutics Toronto, ON

- Acted as Lead Server Developer for Medly, championing backend development and ensuring the product adhered to the ISO 13485:2016 standard for Class II medical devices
- Delivered React and Spring-based MVP of researcher dashboard under a tight timeline, earning the green light from leadership for full project development
- Partnered closely with QA to identify high-risk user flows and build automated test coverage for critical paths, improving reliability and reducing regression bugs

Software Developer Jun 2018 – Apr 2020
Think Research Toronto, ON

- Refactored monolithic Spring-based system into multiple services, decoupling independent workflows
- Reduced message payload size and increased message reliability by extracting file attachments from the messages for asynchronous retrieval
- Expanded message translation configurability and scalability, by creating a library of FHIR resources using Apache FreeMarker, increasing third-party system onboarding speed by 80%
- Resolved an urgent file size limitation bug by reimplementing PDF generation workflow, reducing average file size by 75%

Skills

- Languages: Java (Spring 4+, Spring Boot, JSP), JavaScript (TypeScript, Node.js, React)
- Data Management: Amazon DynamoDB, MySQL, PostgreSQL, GCS, HAPI FHIR
- Build/Infrastructure: Git, AWS SAM, New Relic, Docker, Gradle, Maven
- Testing: TDD, JUnit 4+, Jest

Education

Bachelor of Computer Science, Honours, Co-op May 2018
with a Certificate in German Language *University of Waterloo*