

Yiyu (Lucas) Li

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Canadian citizen eligible for TN permit.

Skills

- Java (Spring, Junit, Mockito), SQL, Kotlin, Python, C++
- RESTful API , Microservice, Distributed System, Caching (Redis), CI/CD , Linux/Unix, AWS, Git, OOP
- Datadog, Splunk, Jenkins, IntelliJ, Jira, Agile

Work Experience

Software Engineer 3/Lead, PayPal Inc

San Jose USA April 2024 – Now, Vancouver Canada Oct 2021 – March 2024

- Worked on the merchant onboarding team, designing, implementing, testing, and maintaining features of multiple applications which offer seamless account lifecycle experience to over 7 million+ merchants.
- Comprehensively improved the platform's throughput and performance to bulk onboard 1 million merchants within three weeks, which resulted in multi-million daily total payment value (TPV).
- Enhanced notification/queue systems for real-time client notifications, including deduplicating, and grouping using cache.
- Designed and built a batch job from scratch to support various ad-hoc use cases.
- Designed and built Datadog/Splunk dashboards and alarms from scratch to monitor platform traffic. Leveraged these tools to continuously improve platform stability and availability, resulting in an increase of availability from 99.99% to 99.99999% in 2024.
- Designed the next-generation API, reducing client integration time and live issues/inquiries by 50%.
- Conducted planning, live support, code reviews, hiring, and (in-person) mentoring new teams in Singapore and China.

Software Development Engineer, Amazon Web Service

Vancouver, Canada April 2021 – Aug 2021

- Worked on Simple Queue Service team. Implemented and tested new features, assumed on-call responsibilities to ensure high availability and low-latency performance of services.
- Investigated abnormal patterns and warnings generated by metric-based monitor system, collaborated with multiple teams for timely fix.

Back-end Software Developer, Verafin (Subsidiary of Nasdaq)

Toronto, Canada June 2020 – April 2021

- Worked on Data Interface team, installed detailed transaction data from different channels. Implemented, optimized, and tested features to enhance data richness and efficiency.
- Designed and developed configurable processors and importers for data clean-up.
- Developed and optimize linking strategies (Java/Guice/Gradle + PostgreSQL) which link data from cheques to core banking system records; analyzed and enhanced flawed strategies to improve linking rates and reduced mismatches, designed and developed new strategies to cater to raw data of different qualities.
- Collaborated with support teams to resolve user issues promptly and effectively.

EDUCATION

MS in Computer Science, Washington University in St. Louis, USA

Sep 2018 – June 2020

- Teaching assistant of CSE504 Object-Oriented (C++) Software Development, assisted instructor in delivering lectures, helped students with assignments (including debugging), graded assignments and exams.

BA in Joint Honor Economics and Finance, Minor in Computer Science, McGill University, Canada

Sep 2014 – June 2017