Emmett N. Young

Full Stack Engineer

Contact Information

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Featured Portfolio

🌐 https://mettyoung.com/railway-routing-service/

Developed a containerized web application that provides a facility to suggest railway routes for the bewildered traveler in Singapore. Visit the link for a live demo!

Technical Summary

Back-end	Java, JUnit, Spock, Spring Boot, REST API, Bean Validation, JPA/Hibernate, MySQL, Postgres, MongoDB, Elasticsearch, Kafka Connect, Kubernetes, Microservices, Clean Architecture, JMeter, Taurus
Front-end	Javascript, Typescript, React, Ant Design, Redux, Angular, HTML, CSS
DevOps	Git, Liquibase, Maven, Gradle, Docker, Ansible, TeamCity, Jenkins

Employment

Software Engineer   ByteDance (Tiktok) Pte. Ltd.   Sep 2021 – Present

Engineer Lead   Rakuten Asia Pte. Ltd.   Jun 2021 – Sep 2021
- Increased the UI development resources from 2 to 5 by gradually involving and mentoring junior engineers while still meeting the project schedule.
- Eliminated delays from the development team by defining clear scope and dependencies for every task and prioritizing based on release schedule.
- Led one software release without any deployment issues in itself.
- Performed API and UI code reviews for all development tasks in the team.

Software Engineer   Rakuten Asia Pte. Ltd.   Aug 2019 – May 2021
- Designed and presented the architecture to achieve eventual consistency between two databases to the architecture review team (Outbox Pattern, Kafka).
- Implemented 6 API endpoints using outside-in TDD where PR was approved with zero revisions and no bugs reported (Spring Boot, Cucumber, JUnit5).
- Wrote our team's test framework alone, inspired by outside-in TDD, to address the substandard test code quality, improving test suite performance by 600%.
- Setup two microservices with CI/CD pipelines for the team to kickstart parallel development work (Spring Boot, Jenkins).
- Discovered and fixed API performance issues through load testing (JMeter, Taurus).
- Presented in engineering meetings (Kafka Connect, React Hooks, Test Framework).
- Reduced 10-15% bugs before QA starts through my meticulous code reviews (Awarded).
- Designed and implemented an ad creative review screen using ReactJS and Redux.

Software Engineer II   Exist Software Labs   Feb 2019 – Jun 2019
- Prevented a regression in accommodating a high-risk and critical enhancement using test-driven development. (NiFi, Kafka, Spring Boot, JUnit5 and Hibernate)
- Took ownership of data provision and subscription projects until their completion.
- Managed servers by deploying and setting up multiple infrastructures such as NiFi, Kafka, Zookeeper clusters, SFTP, MySQL servers, and containerized web application.

Software Engineer I   Exist Software Labs   Aug 2017 – Jan 2019
- Developed an automated NiFi tester application that sped up QA testing.
- Developed data forecasting with a basic ticketing application. (Angular 6, Spring)

Freelance Software Engineer Nelsoft Systems, Inc.   Sep 2016 – Apr 2017
- Redesigned and rewrote the database sync application, improving the transfer rate by at least 200% (File Server, Reader, Compressor, Decompressor, Writer, TDD)

Software Engineer I   Nelsoft Systems, Inc.   Feb 2015 – Jan 2016
- Developed proprietary automated deployment application (C#).
- Led a team of 3 developers and 1 designer for an inventory system project (PHP).

Education Background

Computer Engineering   De La Salle University Manila   May 2010 – Dec 2014
- Graduated with honorable mention having a CGPA of 3.203.
- Designed and implemented telemetry system for Shell Eco Marathon Asia in 2014.
- Developed autonomous exploration of two quadrotors for undergraduate thesis.