Emmett N. Young
Full Stack Engineer

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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, Bean Validation, JPA/Hibernate, MySQL, Postgres, MongoDB, Kafka Connect, Elasticsearch, 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   **Rakuten Asia Pte. Ltd.**   **Aug 2019 – Present**
- Designed and presented the architecture to achieve eventual consistency between the new and legacy systems to architecture review team (Outbox Pattern, Kafka).
- Implemented 6 feature 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 which also improved test suite performance by 600%.
- Setup two microservices with CI/CD pipelines for the team to kickstart parallel development work (Spring Boot, Jenkins).
- Determined and fixed API performance issues as reflected in load testing (JMeter).
- Presented various topics for engineering meetings (MongoDB Kafka Connect, React Hooks, Own Test Framework).
- Reduced 10-15% bugs before QA starts through great code review approach (Awarded).
- Designed and implemented creative review screen using ReactJS and Redux.
- Onboarded and mentored two engineers who can now work independently.
- Led technical grooming discussions to have clearer scope for effective planning.

Software Engineer II   **Exist Software Labs**   **Feb 2019 – June 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**
- Completed code camp which includes Java, Maven, Hibernate, Spring and AngularJS.
- Conducted technical workshop on Apache NiFi to the client with an audience of 20.
- Developed an automated NiFi tester application which sped up QA testing (Spring Boot, CSV, xUnit framework).
- Developed an infrastructure code for elasticsearch using domain events, thereby decoupling technical code from business logic and reducing code duplications.
- Developed for data forecasting with basic ticketing project. (Angular 6, Spring)
- Mentored a new teammate to get him up and ready for the team.

Freelance Software Engineer **Nelsoft Systems, Inc.**   **Sept 2016 – April 2017**
- Rewrote proprietary database synchronization system using TDD, resulting to at least 200% faster synchronization rate and no major bugs (PHP, C#).

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 inventory system project (PHP).

Education Background

Computer Engineering   **De La Salle University Manila**   **May 2010 – Feb 2015**
- 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.