

# 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 4/5, Spring Boot, REST, Bean Validation, JPA/Hibernate, MySQL, Postgres, MongoDB, Kafka Connect, Elasticsearch, Kubernetes, Microservices
Front-end	Javascript, Typescript, React, Ant Design, Redux, Angular 1/6, HTML5, CSS3
DevOps	Git, Liquibase, Maven, Gradle, Docker, Ansible, TeamCity, Jenkins

## Employment

Software Engineer	Rakuten Asia Pte. Ltd.	Aug 2019 – Present
<ul style="list-style-type: none"><li>Designed and presented the architecture to achieve eventual consistency between the new and legacy systems to architecture review team (Outbox Pattern, Kafka).</li><li>Implemented 6 feature API endpoints using outside-in TDD where PR was approved with zero revisions and no bugs reported (Spring Boot, Cucumber, JUnit5).</li><li>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%.</li><li>Setup two microservices with CI/CD pipelines for the team to kickstart parallel development work (Spring Boot, Jenkins).</li><li>Determined and fixed API performance issues as reflected in load testing (JMeter).</li><li>Presented various topics for engineering meetings (MongoDB Kafka Connect, React Hooks, Own Test Framework).</li><li>Reduced 10-15% bugs before QA starts through great code review approach (Awarded).</li><li>Designed and implemented creative review screen using ReactJS and Redux.</li><li>Onboarded and mentored two engineers who can now work independently.</li><li>Led technical grooming discussions to have clearer scope for effective planning.</li></ul>		

Software Engineer II	Exist Software Labs	Feb 2019 – June 2019
<ul style="list-style-type: none"><li>Prevented a regression in accommodating a high-risk and critical enhancement using test-driven development. (NiFi, Kafka, Spring Boot, JUnit5 and Hibernate)</li><li>Took ownership of data provision and subscription projects until their completion.</li><li>Managed servers by deploying and setting up multiple infrastructures such as NiFi, Kafka, Zookeeper clusters, SFTP, MySQL servers and containerized web application.</li></ul>		

Software Engineer I	Exist Software Labs	Aug 2017 – Jan 2019
<ul style="list-style-type: none"><li>Completed code camp which includes Java, Maven, Hibernate, Spring and AngularJS.</li><li>Conducted technical workshop on Apache NiFi to the client with an audience of 20.</li><li>Developed an automated NiFi tester application which sped up QA testing (Spring Boot, CSV, xUnit framework).</li><li>Developed an infrastructure code for elasticsearch using domain events, thereby decoupling technical code from business logic and reducing code duplications.</li><li>Developed for data forecasting with basic ticketing project. (Angular 6, Spring)</li><li>Mentored a new teammate to get him up and ready for the team.</li></ul>		

Freelance Software Engineer	Nelsoft Systems, Inc.	Sept 2016 – April 2017
<ul style="list-style-type: none"><li>Rewrote proprietary database synchronization system using TDD, resulting to at least 200% faster synchronization rate and no major bugs (PHP, C#).</li></ul>		

Software Engineer I	Nelsoft Systems, Inc.	Feb 2015 – Jan 2016
<ul style="list-style-type: none"><li>Developed proprietary automated deployment application (C#).</li><li>Led a team of 3 developers and 1 designer for inventory system project (PHP).</li></ul>		

## Education Background

Computer Engineering	De La Salle University Manila	May 2010 – Feb 2015
<ul style="list-style-type: none"><li>Graduated with honorable mention having a CGPA of 3.203.</li><li>Designed and implemented telemetry system for Shell Eco Marathon Asia in 2014.</li><li>Developed autonomous exploration of two quadrotors for undergraduate thesis.</li></ul>		