

Emmett N. Young

Full Stack Engineer

Contact Information

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Singapore

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Featured Portfolio

<https://github.com/mettyoung/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

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| 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

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| Software Engineer | Rakuten Asia Pte. Ltd. | Aug 2019 – Present |
| <ul style="list-style-type: none">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. | | |

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| Software Engineer II | Exist Software Labs | Feb 2019 – June 2019 |
| <ul style="list-style-type: none">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. | | |

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| Software Engineer I | Exist Software Labs | Aug 2017 – Jan 2019 |
| <ul style="list-style-type: none">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. | | |

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

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

Education Background

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| Computer Engineering | De La Salle University Manila | May 2010 – Feb 2015 |
| <ul style="list-style-type: none">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. | | |