

# Terence Kong

Software Engineer. DevOps. Full Stack Developer.



## Skills

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### Languages

Java, Javascript, HTML, CSS, Python

### Frameworks

Angular, React, Springboot, Kafka

### DevOps

Git, Docker

## Experience

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### MSI Global Pte Ltd

ASSOCIATE CONSULTANT

*LTA Bedok Campus*

*Nov. 2020 - Present*

- Technical Lead for the BTS Skytrain backoffice fare collection system. (Java, Swing, Quartz Scheduler)
- Led the backend team for the Pink and Yellow Line Extension Project.
- Led various initiatives to improve the maintainability of legacy applications such as framework upgrades, introducing the use of version control systems and adding unit testing.
- Developed microservices for the Bangalore backend QR code ticketing system (Springboot)

### PSA International Pte Ltd

SENIOR SYSTEM ANALYST

*Tanjong Pagar Complex*

*Jun. 2018 - Jul 2020*

- Developed a generic housekeeping framework to orchestrate archival of database records for microservices. (Kafka, Java, JPQL)
- Built microservices and Angular applications for tracking container movement within the port (Angular, Springboot, MySQL)
- Managed framework level components including the analysis, design and development of new components as well as the maintenance and upgrading of existing components. (StorybookJS, Angular, Springboot)
- Technical Lead for testing frameworks. (Katalon)
- Technical Lead for Data Warehouse and ETL Pipeline Infrastructure (Kafka, Kafka Connect, Debezium, Springboot)
- Technical Lead for git infrastructure (On premise Gitlab).

### PSA Singapore

INTERN

*Tanjong Pagar Complex*

*May. 2017 - Oct. 2017*

- Developed Angular components and Data Visualisations for ship schedules (D3, Angular and PrimeNG)
- Developed custom stylesheets and themes for Angular components (CSS, SASS)

# Education

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## National University of Singapore

Bachelor of Computing (Computer Science) With Honours

*Jun. 2018*

# Projects

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## CakeChef

- An Open Source, 2-in-1, binary file reader/writer.
- YAML based configuration with support for dynamic configuration (variables, loops, conditional statements).
- Support for various encoding/decoding formats (endianness, date/string/integer)
- Convenience utilities (crc32 generator)
- Built in Javascript and NodeJS.
- CI/CD Pipeline using Gitlab CI to run Jest tests.

# Certifications

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## NUS ISS

NICF - Containers for deploying and scaling apps

*Sep. 2019*