Sai Mun **Lee**

SOFTWARE ENGINEER

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Skills

DevOps & Cloud	AWS & GCP Cloud Certified, Docker, Jenkins, Terraform, Cloud Foundry
Back-end	Flask, Express, Django, REST API, PostgreSQL, MySQL, ElasticSearch
Front-end	Redux, React
Programming	JavaScript, Node.js, Python, Flask, Bash
Languages	English, Chinese
Others	Github, Agile, TDD

Experience

SAP Asia
Singapore

LEAD SOFTWARE ENGINEER — *Dec 2020 - Present*

- Lead Engineer for a service called Career Explorer that provides job recommendations to job seekers.
- Worked as the scrum master in an agile CI/CD environment using Jira & Jenkins.
- In charge of building new features, maintain stability and traceability using tools such as Kibana.
- Integrated Dynatrace with Career Explorer service for monitoring of performance and availability.
- Developed Scripts using Terraform to automate deployment of services to various landscapes in Cloud Foundry.
- Built a fully automated CI/CD pipeline using tools such as Jenkins, Docker & Cloud Foundry that helps to automate application testing and deployment.
- Provide technical support to clients and host weekly sync up meetings with stakeholders to discuss technical issues.
- Technologies used: Flask, Jenkins, Cloud Foundry, Docker, PostgreSQL

TAU Express
Singapore

SOFTWARE ENGINEER LEAD — *Apr. 2020 - Dec. 2020*

- Lead engineer on developing a knowledge management system that allows users to retrieve and gather insights from cybersecurity documents.
- Responsible for direct interaction with users to gather requirements and facilitate communication between the users and the development team.
- Technology used: React, Django, Docker, Cytoscape.js, Neo4J, ElasticSearch

SPIRIT Research Center (NTU)
Singapore

RESEARCH ENGINEER — *Feb. 2018 - Mar. 2020*

- Served as a Web Developer under SPIRIT to work on smart nation project to develop their Intelligent Case Retrieval system (ICRS).
- Demonstrated an aptitude for full stack development frameworks such as Django, Vuejs and was successful in synthesizing these frameworks into a functioning web application for the efficient retrieval of key legal documents.
- Built a web crawler using Selenium and Beautiful Soup to crawl social media websites like Chinese news articles and social media outlets like Reddit to be used for indexing and retrieval.
- Developed a working GUI prototype using Python (Pyside2)

Certificates

Dec 2021   **AWS Certified Solutions Architect – Associate,** Amazon Web Services (AWS)

Feb 2022   **GCP Associate Cloud Engineer,** Google Cloud Provider (GCP)

Education

Nanyang Technological University (NTU)
Singapore

B.S. IN COMPUTER SCIENCE (HONOURS) — *2013 - 2017*

- Specialisation in Machine Learning & Data Science