

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

- Successfully served as a Lead Engineer for a team of 3 for a service called Career Explorer that provides job recommendations to job seekers.
- Leadership responsibilities include creating scalable application designs from architecture diagrams and leading weekly grooming meetings.
- Provide technical support to clients and hosted weekly meetings to address technical issues with stakeholders.
- Supervised a team of 3 software engineers who developed and maintained an enterprise-level REST application used by 100k international customers.
- Designed, developed and maintained features with a focus on stability and traceability using Kibana, Terraform and Dynatrace.
- Conducting regular code reviews, pair programming, and design sessions to ensure code quality, reusability, and maintainability.
- Responsible for updating documentation (team wiki), consumer guides, and production.
- Utilized technologies including Flask, Jenkins, Cloud Foundry, Docker and PostgreSQL

TAU Express

Singapore

LEAD SOFTWARE ENGINEER

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 BeautifulSoup 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