Sai Mun **Lee**

PRODUCT-OWNER / SOFTWARE ENGINEER

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Skills

DevOps & Cloud	AWS & GCP Cloud Certified, Docker, Jenkins, Terraform, Cloud Foundry
Back-end	Flask/FastAPI, Express.js, Node.js, Django, PostgreSQL, MySQL, SQL, ElasticSearch
Front-end	Redux, React, Next.js, Jest
Programming	JavaScript, TypeScript, Python, Go, Bash, C, C++
Languages	English, Chinese
Others	Github, Agile, TDD

Experience

SAP Asia
Singapore

LEAD SOFTWARE ENGINEER | CO-PRODUCT OWNER
Dec 2020 - Present

- Led the design and develoipment of an enterprise-level microservice application that provides job recommendations to thousands of users using the latest technologies of AWS S3, Docker, Cloud Foundry.
- Designed and implemented scalable APIs and background workers for onboarding tenants and managing tenant's training cycle using Cloud Foundry that serves thousands of requests daily.
- Enriched system metrics by integrating the platforms with Dynatrace for in depth monitoring of system performance metrics, alarms, monitors and dashboards.
- Successfully incorporated Kibana into the application's infrastructure to enable robust logging and correlation ID tracking, enhancing troubleshooting and error analysis capabilities.
- Performed continuous integration/Deployment, pipeline integration, pull requests, code reviews, load/stress testing, unit/integration/e2e testing.
- Conducted weekly meetings to address technical issues with stakeholders and regular code reviews, pair programming, and design sessions to ensure code quality, reusability, and maintainability.
- Responsible for writing developer documentation (team wiki), consumer and customer guides.
- Utilized technologies including Flask/FastAPI, Jenkins, Cloud Foundry, Docker, PostgreSQL, Terraform, AWS, GCP

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 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)	
May 2023	**Hashicorp Certified: Terraform Associate (003)**, Hashicorp	
Dec 2023	**AWS Certified Solutions Architect - Professional**, Amazon Web Services (AWS)	*Pending*

Education

Nanyang Technological University (NTU)
Singapore

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

- Specialisation in Machine Learning & Data Science