

LEE KEE

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A proactive, independent learner seeking to build a rewarding career in the IT industry. With a focus on software engineering and data analytics, I thrive on challenges and working effectively in a team to learn, grow, and contribute positively to business outcomes.

SKILLS

- Programming (High & low level)
- Full Stack Development

EXPERIENCE

Coding

- Python, C, C#, C++, Javascript, Java, Assembly

Technologies/Environment

- Windows, Google Suite, Linux, Web frameworks, Docker, Kubernetes

EMPLOYMENT HISTORY

Programmer Analyst at Cognizant Technology Solutions

July 2021 - Aug 2022

- Configured build automation tools; migrated CI/CD pipelines for deploying client banking applications from TeamCity to GitLab with Ansible.
- Worked with Java 11, Maven, and Spring Boot framework.
- Implemented new test cases (TDD) with JUnit for client banking application service to save time on testing efforts.

System Analyst at United Overseas Bank (UOB)

Mar 2021 – Jun 2021

- Worked on a technical upgrade project for the company's mobile banking application in the quality assurance team. Primary role was executing test scripts, producing reports, and simulating test environments with IBM legacy systems.
- Documented application states, raised defects, and assisted in troubleshooting bugs.

PROJECTS

Data Analytics in Line-of-Sight (LOS) & Non-Line-Sight (NLOS) Wireless Signal Prediction

Jan 2024 – Present

- Project entails the proposition of a data analytics solution to predict Line-of-Sight (LOS) & Non-Line-Sight (NLOS) Wireless Signals in indoor environments for precise localisation.
- Leveraged data preprocessing techniques, conducted tests comparing machine learning models to determine the most appropriate model.
- Project is done in python.

LabEquip Mobile Application

Jan 2024 – Present

- Educational application that identifies lab equipment and displays the related information so that students are able to use lab equipment safely and correctly.
- Utilises the Pytorch framework to implement YOLOv8 object detection model to train and detect lab equipment in photographs.
- Application is done in Kotlin with Room database.

Mimibot | Speech Analytics for Children

Nov 2020 – April 2021

- Uses Google's AI-powered DialogFlow to program the conversational capabilities of a chatbot.
- Utilises BrainJS as a neural network to conduct sentimental analysis on the conversations the robot has with the children.
- Uses Google Nest as an interaction platform for children, an Angular framework for the front-end UI for parents, NodeJS as backend, and Google's Firebase as a NoSQL database.

COURSES / CERTIFICATIONS

AWS Academy Cloud Foundations

- Gives an overall understanding of cloud computing concepts, independent of specific technical roles.
- Provides a detailed overview of cloud concepts, AWS core services, security, architecture, pricing, and support.

AWS Academy Cloud Architecting

- Covers the fundamentals of building IT infrastructure on AWS and helps students gain the skills they need to pursue the AWS Certified Solutions Architect – Associate certification.

Azure Fundamentals AZ900

- Covers the fundamentals of building IT infrastructure on Azure, and provides a detailed overview on Azure services, security, architecture, and support.
- Is a prerequisite for other courses offered by Azure.

Google Data Analytics Professional Certificate

- Goes through technologies, concepts, and programming languages popular in the data analytics sphere; i.e Python, matplotlib, pandas, R, and visualisation tools.
- Handle the cleaning, pre-processing, modelling and visualisation of datasets.

UiPath Robotic Process Automation (RPA) Development

- Additional Programme offered by Nanyang Polytechnic.
- Covers UiPath utility, worked on building an Optical Character Recognition (OCR) solution to collate information from PDF Documents.

EDUCATION

Singapore Institute of Technology and University of Glasgow

2022 – Present

- Undergraduate in Computing Science.
- Actively seeking out experiences and job opportunities to sharpen my skillsets.

Nanyang Polytechnic

2018 – 2020

- Diploma in Information Technology with a Specialisation in Business Analytics.
- Course of study entailed the completion of various software engineering projects, which familiarised me in working with multiple technology stacks, frameworks, and programming best practices.
- Expressed my passion for the computing field by being active in my school committee, serving as an EXCO member to organise and facilitate school IT-related events.