

OBJECTIVES

Dedicated to infusing an innovative and quality-driven perspective into the product and software development life cycle. Committed to continuous self-improvement and quick adaptation for delivering objectives fast and making impact.

EDUCATION

Nanyang Technological University (NTU) Aug 2018 – Jun 2022

- Bachelor of Engineering in Electrical and Electronic Engineering (**Honours, Highest Distinction**)
- Specialization: **Info-Communications Engineering (Data Intelligence and Processing)**

EXPERIENCE

Garena Pte Ltd, *Senior Quality Assurance Engineer (Shared Game Services)* Feb 2024 – Current

- Tested backend APIs for core services—payment, in-app purchases, order management, and authentication—used by millions of daily gamers.
- Performed third-party API integration testing with 20+ global payment gateway partners.
- Tested UI/UX of Garena's official top-up center, which delivers in-game purchases across 20+ global regions.
- Improved on existing API automation testing frameworks and introduced open-source API mocking tool to team.
- Worked as a release manager on multiple Kubernetes clusters for development, testing and production.
- Collaborated with DevOps on improving CI/CD Jenkins pipeline and Gitlab CI for a smoother release workflow.

Dell Technologies, *Software Quality Engineer 2 (NativeEdge)* Oct 2022 – Feb 2024

- Performed comprehensive end-to-end testing for the NativeEdge Orchestrator covering various interfaces such as web GUI, CLI, and hardware servers.
- Designed and led the consolidated regression test report project, collaborating with DevOps to integrate Kubernetes-native, component-level automation tests with CI/CD/Ops Jenkins pipelines.
- Maintained on-premise deployed test infrastructure, showcased proficiency in Docker, Kubernetes administration, and Linux server (Ubuntu) shell scripting.
- Implemented UI-based automation tests and initiated test framework with Cypress and TypeScript.

Autodesk Asia Pte Ltd, *Intern, Software Engineer in Test (Autodesk Data Platform)* Jan 2021 – Dec 2021

- Implemented and maintained 16 automation test suites and continuous testing pipeline for 6 big data aggregation components using Java/TestNG, Python/Pytest and Jenkins.
- Integrated Jira, Slack with the Pytest automation testing framework, streamlined issue tracking and reporting.
- Gained hands-on experience with AWS serverless, Infrastructure as Code, storage and database technologies (Lambda, CloudFormation, S3, DynamoDB) and used SQL for data validation.

ACADEMIC PROJECTS

NTU-EEE Final Year Project: ***Mobile Apps for Tours & Travels with Augmented Reality*** Aug 2021 – May 2022

- Successfully designed and developed a full-stack mobile application with Flutter, Google Cloud Platform and Firebase.
- Enabled to support tourists with personalized tour recommendations and customized itinerary plans.
- Integrated Augmented Reality User Interactions with Wikitude JavaScript Plugin.

Design & Innovation Project: ***Automatic Review System based on Deep Neural network*** Aug 2020 – Nov 2020

- Developed an automatic review system is to generate an automatic text review based on customer taken images of food.
- Related to computer vision (CV), natural language processing (NLP), modelled with deep neural network and LSTM.

SKILLS & CERTIFICATION

- **Software Programming:** Git, Python, Java, SQL, HTML, CSS, JavaScript, TypeScript, Linux/Ubuntu, Shell/Bash, Cursor
- **Software Testing:** Pytest, Junit, TestNG, Selenium, Postman, Cypress, Mockoon
- **CI/CD/Ops:** Jenkins, Amazon Web Services (AWS), Kubernetes, Docker, Helm, Ansible, VMWare vSphere
- **Certifications:** AWS Certified Cloud Practitioner, ISTQB Certified Tester Foundation Level (CTFL), Certified Kubernetes Application Developer (CKAD)