

TAN MUN TAT

GitHub ◇ LinkedIn ◇ Portfolio

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EDUCATION

Singapore Institute of Technology, Singapore

September 2023 - August 2026

B.S.c in Computing Science

Temasek Polytechnic, Singapore

April 2018 - April 2020

Diploma in Information Technology

EXPERIENCE

Roycemedia Technologies Pte Ltd

July 2019 - March 2020

Part Time Software Developer

Singapore

- Initially joined as an intern and was retained for a short-term part-time role following the internship.
- Implemented MVC architecture, converting legacy pages into modular components.
- Assisted in deploying a project using Nginx onto a Linux server
- Collaborated with senior developers to enhance system architecture
- Supported full-stack development, addressing both front/back end requirements across multiple projects.

Strange Associates

November 2019 - April 2025

Part Time Retail Assistant

Singapore

- Assisted customers with product inquiries, offering personalized decor recommendations based on style preferences
- Supported in-store promotions with seasonal displays and maintaining product presentation standards.
- Provided basic IT support and resolved minor technical issues for staff.
- Assisted interior decor consultants with client home setups.

TECHNICAL STRENGTHS

Programming Languages	Python, Kotlin, C, Java, JavaScript, TypeScript, SQL
Databases	MySQL, SQLite, Firebase, MongoDB
Development Tools	Docker, Kubernetes, Git, FreeRTOS, Android Studio
Operating Systems	Linux (Debian-based and Arch distros), Windows

PROJECTS

Multi Protocol Mesh Network

- Developed a multi-protocol mesh network using LoRa, WiFi (MQTT), and BLE for data transmission across multiple IoT devices.

Earthquake Aftershock Prediction System

- Developed a cloud-based prediction system using AWS EC2 instances and Kubernetes to process seismic data and forecast aftershock zones.
- Implemented a Kafka-based data pipeline for real-time data streaming and integration with AI model predictions.
- Deployed scalable microservices for data ingestion, processing, and visualization using Flask and Docker.