

Danial Akmal bin Kamal Aris

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EDUCATION

University of Southampton Southampton, UK | Sept 2021 – June 2025

- **MEng Software Engineering:** 67.8% (3rd year, Upper Second Class)

MARA College Seremban Negeri Sembilan, Malaysia | Jan 2020 – June 2021

- **A-Level:** 15/15 points; Chemistry (A*), Physics (A), Mathematics (A)

MRSM Kuala Klawang Negeri Sembilan, Malaysia | Jan 2015 – Dec 2019

- **Malaysian Certificate of Education (SPM):** 9A
- **Awards:** Academic Excellence Award every semester

EXPERIENCE

BGC Group, Technology Intern London, UK | July 2024 – Sept 2024

- Automated server inventory file build in **GitLab** for new virtual machine build workflow by creating **Ansible** playbook in **CentOS**, minimizing manual work by 90%.
- Created a server entry checker tool using **Python** by removing inactive servers in a CSV file, reducing task completion time by 70%.
- Presented the **Ansible** Server Global Inventory project to the team and secured managerial approval for project deployment in production.

PROJECTS

AI Curation Tool for ACM-W, Project Manager/Frontend Developer Oct 2024 – Present

- Maintained best practices in developing the frontend by using **Prettier** and **Git** for collaboration.
- Liaised with the client, providing updates and ensuring project alignment with the client's vision.
- Built the frontend using **Next.js** for easier page routing and web app performance, and integrated **Azure OpenAI GPT-4o** model.

Wedding Items Rental Platform, Full-stack Developer Sept 2024 – Present

- Developed front-end components and pages based on **Figma** designs.
- **MongoDB** used for the database due to its flexibility in adapting to changing database schemas.
- Built using **Next.js**, which used **Next/Auth** for authentication and integrate **ORM Prisma** for easier database access and manipulation.

DineMapper, Full-stack Developer Oct 2023 – June 2024

- Created a web application that can help people choose places to eat by using open-source data from **OpenStreetMap** and **Food Hygiene Rating UK**.
- Stored data entries in **PostgreSQL** and debugged data-related issues on relational database logic.
- Built with **React.js** styled with vanilla CSS, and **Node.js**, **Express.js**, which was deployed on **Google App Engine**.

SpaceMaths, Full-stack Developer Oct 2023 – April 2024

- Created a mathematics quiz game for children aged 8-10, to test their mathematics skills and knowledge.
- Stored player and game data in **Azure Cosmos DB (NoSQL)**, for fast data retrieval and reliability.
- Built with **Vue.js** styled with vanilla CSS, and **Azure Functions**, which was deployed on **Google App Engine**.

SKILLS

Languages: (Native): Malay | (Fluent): English

IT: (Proficient): Microsoft Word, PowerPoint, Excel

Programming Languages: (Basic): PowerShell, Bash | (Proficient): Python, Java, HTML & CSS, JavaScript

Technology Stack: (Basic): Git, Jenkins, Docker, Kubernetes, PostgreSQL, NoSQL | (Proficient): Ansible, Linux, Windows, Node.js, Express.js, React.js, Vue.js, Next.js

Cloud Tools: (Proficient): Microsoft Azure (Functions, Cosmos DB), Google Cloud (App Engine, SQL)

INTERESTS

Stock markets: Checking news about the stock markets daily through Wall Street Journal and Reddit

Reading: Love learning about business/finance and technology