SAMUEL GOH JUN JE

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Education

University of Manchester **Sept 2022 – June 2025**
BSc in Computer Science and Mathematics | Second Upper Class Honours *Manchester, UK*

Work Experience

Pomelo | *React Native Developer* **Aug 2024 – Oct 2024**

- Developed mobile UI components and reusable interface patterns using **TypeScript** in **React Native**, improving app consistency and user interaction flows across the application
- Collaborated with designers and engineers to refine screens, resolve UI issues, and manage pull requests using **GitHub** as part of an **agile, sprint-based workflow**

Projects

Lead Management App | *Demo* | *Source Code* **NextJS | NodeJS | Express | MongoDB**

- Built a **React-based lead management dashboard using Next.js**, consuming a custom Express API to display and manage lead data with real-time UI updates.
- Deployed and configured a production environment using Vercel and Render, handling environment variables, **CORS policies**, and secure communication with a **MongoDB Atlas backend**.

BlogNest | *Source Code* **Flask | Bootstrap | SQLAlchemy**

- Built a full-stack blog application with Flask, implementing secure user authentication, **RESTful routing**, and full **CRUD** functionality
- Integrated a **PostgreSQL database** using SQLAlchemy and developed reusable Bootstrap components with **Jinja2 templating** for a clean, responsive UI and smooth content management

Unix Shell | *Source Code* **Python | Unix | OS**

- Built a **Unix shell** in Python implementing command parsing, process spawning via **fork/exec**, pipelines, I/O redirection, and persistent command history
- Applied core **OS concepts** including process management, **file descriptors**, environment variables, and inter-process communication

Certifications

100 Days of Code: The Complete Python Pro Bootcamp | *Udemy* **June 2025 – Sept 2025**

- Covered Python scripting, automation, web scraping (**BeautifulSoup**, **Selenium**), data analysis (**Pandas**, **NumPy**, **Matplotlib**), and web development (**Flask**, **Bootstrap**, **HTML5**, **CSS**, **SQL**)
- Built **100+ real-world projects** including games, APIs, automation tools, data visualisations, and web apps, demonstrating end-to-end Python proficiency

Technical Skills

Programming Languages: Python, JavaScript, TypeScript, Java, SQL, HTML5, CSS

Libraries/Frameworks: NextJS, ReactJS, React Native, NodeJS, Express, Tailwind CSS, Expo, Flask, Bootstrap5, Jinja2

Databases: MongoDB, MySQL

Developer Tools: AWS, Postman, Git, VS Code, Jupyter

Language Proficiency

Languages: English(Native), Mandarin(Native), Malay(Basic)

Extra-Curricular

- Competed in university hackathons (Hack-A-Bot, Student Hack)
- ABRSM Grade 8 Piano (Practical & Theory)
- Represented the University of Manchester in Table Tennis