LEE JIA JIA

Singaporean | leejiajia12@gmail.com | +65 81262377 | Github: jiajia16

EDUCATION

Singapore Institute of Technology (SIT) & UofG   *Expected Graduation, August 2027*
Bachelor of Science with Honours in Computing Science degree

- **Concentrations:** Software Engineering, Cloud Computing & Web Development, Embedded Systems & IoT
- **Related Coursework:** Object-Oriented Programming, Data Structures & Algorithms, Operating Systems, Database Systems, Cloud & Distributed Computing, Cybersecurity

Nanyang Polytechnic   *Graduated April 2024*
Diploma in Electronics and Computer Engineering

- **Concentrations:** Electronic Circuit Design, Embedded Systems, Computer Engineering Fundamentals
- **Related Coursework:** Digital Electronics, Microcontroller Programming, Embedded Systems Design, C Programming, Computer Networks, Sensors & Instrumentation, Automation & Control Systems

EXPERIENCE

Sembcorp   *Sep 2023 - Feb 2024*
Data Analyst Intern

- Technology and Platform Development department
- Analyzed platform data using Python, Excel, and C# to support platform engineering decisions
- Built dashboards and automated scripts to streamline reporting workflows

PrimusTech   *Mar 2024 - Dec 2024*
Freelance Software Developer

- Developed reusable React UI components and frontend features for BIM/CMMS software
- Designed and refined user workflows to improve usability and task efficiency

Kodecoon Academy   *October 2025 - Present*
STEM & Coding Instructor

- Guided students in tech projects
- Mentored problem-solving and debugging

PROJECTS

Activity Trail Cloud Platform (Docker, Kubernetes, React, Node.js, Supabase)
- Built a cloud-native full-stack platform with two user portals, backend REST APIs, and QR check-in system; deployed using Docker and Kubernetes.

Trip Planner Mobile App (Dart, Flutter, REST APIs)
- Developed a Flutter mobile application integrating REST APIs to display real-time travel data and dynamic UI updates.

SPI Flash Forensic Analysis (C, Pico SDK)
- Developed C benchmarks using Pico SDK to analyze SPI flash latency and throughput.

SKILLS & ADDITIONAL INFORMATION

Programming: JavaScript, Python, Java, C, SQL, Dart, Rust
Technical/Programmatic: React, Node.js, Supabase, Git, Docker, SQL, REST APIs, Linux CLI
Platforms: Linux, MacOS, Windows, Raspberry Pi OS
Achievements: Director's List 2023 (NYP), Edusave Awards Top 10% (NYP), Hackathon participations
Interests: Web Development, Software Engineering & Side Projects, Fitness