

Faith Ang

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SUMMARY

Hi! I'm Faith, a highly motivated penultimate-year Information Systems student studying at Singapore Management University, minoring in Digital Cloud Solutions. I am deeply passionate about utilizing technology to drive innovation and efficiency in various industries.

With a robust foundation in programming, coupled with experience in both front-end and back-end web development, I am eager to channel my skills and enthusiasm into a dynamic Software Engineer role. My hands-on experience in building multiple websites and database management during academic projects has equipped me with the knowledge and agility required in the fast-paced tech industry.

PROJECTS

Personal Portfolio Website

<https://faithang.netlify.app/>

- Developed a responsive portfolio website using HTML, CSS, and JavaScript.
- Implemented smooth scrolling for seamless navigation between sections.
- Integrated both dark and light themes for user preference.
- Prioritized Mobile First development, ensuring optimal experience on mobile devices before adapting to desktop.
- Ensured full compatibility across devices with an emphasis on a user-friendly interface.

Smart IOT Dashboard

<https://github.com/forestlol/Calypso>

- In partnership with Cavill Pte Ltd, this innovative solution is designed to centralize and simplify the management of IoT data, providing users with a smart dashboard that tracks, controls, and visualizes data from various IoT devices.
- The platform was meticulously crafted for real-time sensor data monitoring and Building Management System (BMS) data aggregation, presenting a unified interface for both staff and automated systems to interact with the IoT ecosystem.
- Customizable notifications and alerting mechanisms.
- Developed using: Vue.js, C#, Vercel, DigitalOcean, MongoDB, Microservices

Skill Based Role Portal

<https://github.com/faithangg/is212-project>

- An internal web application to facilitate internal role applications and talent sourcing within an organization.
- Designed to bridge the gap between staff's current skills and the requirements of open positions within the company, thereby enhancing internal mobility and talent utilization.
- Staff able to apply for roles, view skill matches, and HR able to efficiently manage and fill positions based on precise skill requirements.
- Scrum Methodologies were extensively practised for this project.
- Developed using: Vue.js, Python, MySQL, Selenium, Python Unittest

Property Bidding Website

<https://github.com/faithangg/ESD>

- Haven is a one-stop property bidding platform, developed by our team using the Microservices Architecture, Flask, Docker and Vue.js.
- Each microservice represents a specific business capability, enabling seamless browsing of property listings, appointment booking, and real-time property bidding through our user-friendly interface.

- We also developed REST APIs to ensure smooth and efficient communication between services.

WORK EXPERIENCE

Technical Support Staff

NTUC First Campus

June 2022 - July 2022, Singapore

- Served as an onsite IT support staff for the SkoolNet 2 Hypercare initiative, a new childcare management system at MyFirstSkool centres.
- Delivered prompt support for critical modules, particularly during check-in and check-out processes.
- Effectively troubleshooted and resolved system bugs as they arose.

EDUCATION

Bachelor of Science (BS), Information Systems

Singapore Management University • Aug 2021 - July 2025

- Minor in Digital Cloud Solution

GCE 'A' Levels, Science

Meridian Junior College • 2018 - 2019

- H2 Biology, H2 Chemistry, H2 Mathematics, H1 Economics

SKILLS

Programming Languages: Java, Python, Javascript, PHP

Front-End Technologies: Vuejs, Bootstrap, HTML, CSS

Back-End Technologies: Flask, SQLAlchemy, REST APIs, Microservice Architecture, RabbitMQ

Database Management: MySQL

Computer Science Fundamentals: Data Structures & Algorithms, Design and Analysis of Algorithms, Object-Oriented Programming

Software Tools & Practices: Docker, JIRA, Figma, Agile Methodologies, Continuous Integration/Continuous Deployment (CI/CD)
