Angelita Kng

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EDUCATION

Singapore Management University *Aug 2022 - May 2026*
BSc (Software Engineering)

- **Relevant coursework:** Web Application Development, Enterprise Development, Cloud Solutions Architecture, Data Management, Advanced Programming & Design, Operating Systems, Networking, Data Security & Privacy, Cybersecurity Fundamentals, Cyber Threat Investigation
- **Leadership:** AIESEC'24 Delegates & Logistics Director, ICON'23 Logistics Director, starringSMU'23 Programmes Director

PROFESSIONAL EXPERIENCE

Software Engineer Intern *May 2025 – Present*
IDEMIA, Singapore

- Implemented end-to-end solutions by developing backend services with Java Spring Boot, Apache Kafka, and Docker, while also building client-facing frontend applications using AngularJS
- Executed comprehensive code development and component testing, authoring over 30+ unit test cases with JUnit and Mockito to ensure strict alignment with functional specifications
- Contributed to issue analysis and resolution across test phases and production, demonstrating support for technical solutions and team collaboration

Fullstack Developer Intern *May 2024 – Nov 2024*
Radach & Family Organics, Bangkok

- Created over 20 mock ups and design concepts, converting into fully functional solutions with 100% cross-device compatibility and responsiveness, adhering to the principles of the SDLC lifecycle
- Conducted over 20-unit tests to ensure robust functionality of the 2 product line websites developed using the FERN (Firebase, ExpressJS, ReactJs, NodeJS) stack with Chakra UI and SendGrid, prior to their successful deployment on Hostinger
- Facilitated the acquisition of 150 new users viewing the website within 2 months of implementing site improvements on the newly deployed platform

Web Development Intern *Sep 2021 – Feb 2022*
A*STAR Experimental Drug Development Centre, Singapore

- Developed an internal application using ASP.NET and MySQL, achieving a 15% efficiency enhancement for the department, involving self-directed learning of the new framework during development
- Streamlined the UAT process for a whole system feature, completing testing two weeks ahead of schedule, a success supported by the rapid acquisition of skills in this new development environment while building the application
- Partnered with a team of over 5 members to improve operational efficiency by implementing streamlined processes, effectively applying newly learned web application development knowledge to contribute to team goal

TECHNICAL SKILLS

- **Programming Languages**: Java, Python, JavaScript, HTML, PHP, CSS, TypeScript, Flutter Dart, SQL
- **Frameworks**: Spring Boot, Flask, NodeJS, ExpressJS, ReactJS, NextJS, AngularJS, Chakra UI, Material UI, Bootstrap, UI/UX, MongoDB, Firebase, CLI scripting, Vite, Ionic, RESTful API, Scrum Agile, Junit Testing, Mockito
- **Tools**: Git, Jira, Docker, Figma, Apache Kafka, DBeaver, Tableau, WinSCP, CloudFlare, Wireshark, Hostinger VPS, Microsoft Azure, AWS
- **Certifications**: ISC2 Certified In Cybersecurity, IBM MQ Developer Essentials, Google IT Automation With Python, Google IT Support, Google Data Analytics
- **Language**: English (Fluent), Chinese (Conversational), Bahasa Indonesia (Conversational), French (Basic)

SELECTED PROJECT EXPERIENCES

PokéRivals *Aug 2024 – Nov 2024*
Fullstack Developer

- Oversaw both frontend and backend development, including navigating a complex database, was pivotal in delivering an engaging Pokémon battle tournament platform featuring a unique and functional betting system
- Built with NextJS, Spring Boot, and Stripe to facilitate the ELO-based tournament and betting functionalities
- Deployed on Vercel and AWS, ensuring maintainability, security, and scalability through CI/CD pipelines and SOLID design principles

Ticket Blaster *Feb 2024 – Apr 2024*
Fullstack Developer

- Developed a seamless event booking and ticketing system utilising ReactJS and Vite and incorporating Stripe and Courier for added features, with containerisation streamlining deployment
- Management of both frontend and backend was key to establishing a microservices architecture enhancing the platform's scalability and resilience
- Implemented microservices architecture with Docker, streamlining deployment and ensuring scalable and efficient deployment across environments

ReVogue *Sep 2023 – Nov 2023*
Lead Frontend Developer

- Spearheaded the design of a scalable e-commerce platform for second-hand fashion, facilitating seamless item uploads for sellers and easy access for buyers
- Responsible for overseeing the frontend development and ensuring its smooth integration with the backend system, and conducted quality assurance to verify the implemented functions produced the expected outputs on the platform
- Architected with the PERN stack (PostgreSQL, ExpressJS, ReactJS, NodeJS), strategically chosen to ensure inherent modularity and scalability, further enhanced by the implementation of CI/CD pipelines via Vercel for efficient and reliable deployments