Joshua David Ang

+65 9232 5647 | joshuadavidang@outlook.sg | linkedin.com/in/joshuadavidang | https://joshuadavid.dev

TECHNICAL SKILLS

Programming Languages: TypeScript, JavaScript, Python, Java, SQL, PHP, Swift
Frameworks/Libraries: React.js, Next.js, Vue.js, Node.js, Express.js, React Native, Flask, SwiftUI, Tailwind CSS
Others: PostgreSQL, mySQL, REST API, GraphQL, XHTML, CSS, Git, Docker, Amazon Web Services

EDUCATION

Singapore Management University

Bachelor of Science, Information Systems   *Expected Graduation: May 2026*

WORK EXPERIENCE

Software Engineer Intern

GovTech Singapore (Government Digital Services)   *Jan 2024 - Present*
- Developed user-centric features for CrowdTaskSG, leading to **20%** increase in crowd-sourced data collection.
- Optimized performance through memoization by reducing unnecessary re-renders and caching computationally expensive components, leading to **30%** increase in page load times.
- Ensured codebase reliability and stability by writing comprehensive unit tests, achieving over **90%** code coverage.
- Led the front-end development for Sparks, resulting in **25%** reduction in development time through the implementation of a scalable codebase and rigorous coding conventions.
- Collaborated with a team of 2 engineers, PM, and UX designer to successfully launch Sparks within **3 months**.
- **Technologies: TypeScript, Next.js, Tailwind CSS, Express.js, PostgreSQL, TypeORM, OpenAI**

Software Engineer Intern

Pigeonhole Live (PigeonLab)   *Jan 2023 - Mar 2023*
- Developed responsive webpages to ensure a seamless user experience across all devices and screen sizes, leading to **30%** increase in mobile engagement and **25%** boost in overall user satisfaction.
- Wrote Jest unit tests to ensure code quality, reducing bugs and technical debts by **40%** through early issue identification in the development cycle.
- **Technologies: Vue.js, JavaScript, Jest, Docker, GitLab**

Software Engineer Intern

Blockchain Solutions (BSG)   *May 2022 - Jul 2022*
- Spearheaded front-end development of a NFT marketplace.
- Built reusable components and customised CSS libraries to enhance the efficiency and scalability of the platform.
- Collaborated with UI/UX designer to ensure the feasibility of technical designs.
- **Technologies: React.js, Next.js, Web3.js, Tailwind CSS, Firebase**

PROJECTS

LlamaMind

AI Web App Development — FE GitHub, BE GitHub   *May 2024 - Present*
- A Meta Llama 3 Model Project (Work-in-Progress)
- **Technologies: Meta Llama 3 Model, Next.js, TypeScript, Chakra UI, Flask, PostgreSQL**

BookLah!

Web App Development — FE GitHub, BE GitHub   *Jan 2024 - Apr 2024*
- Spearheaded the development of a full-stack concert booking web application, utilising microservice architecture.
- Led the development team to achieve **20%** reduction in page load times, enhancing user experience.
- **Technologies: Next.js, Flask, Express.js, Tailwind CSS, PostgreSQL, Kong API Gateway, Docker**

Project Sayless

Web App Development — FE GitHub, BE GitHub   *Aug 2023 - Nov 2023*
- Developed a gamified full-stack web app facilitating food sharing, integrating receipt uploads for inventory management and quest completion for voucher rewards. **(Grade: A+)**
- **Technologies: Vue.js, Express.js, MongoDB, Tailwind CSS, Firebase Authentication, OCR API**