

# Joshua David Ang

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## TECHNICAL SKILLS

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**Languages:** Swift, Python, TypeScript, JavaScript, SQL, PHP

**Libraries/Frameworks:** SwiftUI, React.js, Next.js, Vue.js, Koa.js, Node.js, Express.js, Koa.js, React Native, Flask

**Developer Tools:** Git, Docker, Visual Studio Code, PyCharm, XCode, Android Studio

## EDUCATION

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### Singapore Management University

*Bachelor of Science, Information Systems*

*Aug 2022 - Present*

- Enterprise Solution Development
- Web Application Development I & II
- Data Management
- Computational Thinking

### Singapore Polytechnic

*Diploma in Business Information Technology (GPA 3.56/4)*

*Apr 2017 - Feb 2020*

- Mobile Application Development I & II
- Web Application Development I & II
- Programming for Data Science

## WORK EXPERIENCE

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### Software Engineer Intern

*GovTech Singapore*

*Jan 2024 - Present*

- Government Digital Services (GDS) - CrowdTaskSG
- A gamified citizen engagement platform developed to bridge the gap between citizens and the government. It's a one-stop platform where citizens can share their opinions, take part in surveys and earn coins that can be redeemed for rewards.
- **Technologies:** TypeScript, Next.js, Tailwind CSS, Koa.js, PostgreSQL, TypeORM, AWS

### Software Engineer Intern

*Pigeonhole Live (PigeonLab)*

*Jan 2023 - Mar 2023*

- Developed responsive webpages to ensure a seamless user experience across different devices and screen sizes.
- Worked in a cross-functional team to understand requirements and develop features that align with the project goals.
- Developed comprehensive unit test cases using Jest to ensure code quality and identify potential issues early in the development cycle.
- **Technologies:** Vue.js, Jest, Docker, GitLab

### Software Engineer Intern

*Blockchain Solutions (BSG)*

*May 2022 - Jul 2022*

- Spearheaded front-end development of a NFT marketplace.
- Developed high-quality, production-ready code and maintained a clean and organised codebase.
- 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

## PERSONAL PROJECTS

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### ShortenSG

*Web App Development*

*Jan 2024 - Jan 2024*

- Your go-to URL shortener web app, designed to transform long URLs into neat and shareable links.
- **Technologies:** Next.js, TypeScript, Tailwind CSS, Shadcn UI, Koa.js, TypeORM, PostgreSQL

### Coding Portfolio 2.0

*Web App Development*

*Dec 2023 - Present*

- Redesigned, redeveloped and redeployed a minimalist responsive personal website.
- <https://joshuadavid.dev>
- <https://github.com/joshuadavidang/joshuadavid>
- **Technologies:** Next.js, TypeScript, Tailwind CSS, Shadcn UI, Supabase

### Project Sayless

*Web App Development*

*Aug 2023 - Nov 2023*

- A gamified web app connecting people to share excess food. Upload receipts to add items to inventory or complete quests to earn vouchers.
- <https://github.com/SMU-IS/SayLess>
- **Technologies:** Vue.js, Express.js, MongoDB, Firebase Authentication, OCR API

### Client's Web Portfolio

*Web App Development*

*May 2023 - Aug 2023*

- Worked on clients' projects, developing web applications, and following best practices to ensure a seamless user experience across different devices and screen sizes.
- <https://celineongjw.com>
- **Technologies:** Next.js, TypeScript, Tailwind CSS, Chakra UI, Supabase

### Coding Portfolio

*Web App Development*

*Aug 2022 - Dec 2023*

- Designed, developed and deployed a responsive personal website.
- <https://legacy.joshuadavid.dev>
- <https://github.com/joshuadavidang/joshua-david>
- **Technologies:** Next.js, TypeScript, Tailwind CSS, Chakra UI, Supabase

### Project Still Young

*Mobile App Development*

*Jun 2019 - Nov 2019*

- One-stop platform for mothers to learn more about confinement practices.
- Achieved more than 200 downloads on App Store and Play Store.
- Project featured on Straits Times  
<https://www.straitstimes.com/singapore/app-with-updated-info-on-confinement-period-for-young-mums-launched>
- **Technologies:** Ionic, GitHub