

Amelia TAY Li Jia

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EXPERIENCE

Open Government Products | Software Engineer Intern, Aug 2023 – Present

- I am helping Open Government Product's go.gov.sg team bring ideas from conceptualization to launch, involving product design, technical specification curation, development, testing, deployment, maintenance, and growth
- Independently refactored backend validation logic to support external APIs and churned out >10 HTML templates
- Utilized Typescript language, Nest.js for backend, React.js for frontend, PostgreSQL database and AWS infrastructure

J.P. Morgan Chase & Co | Software Engineer Intern, Jun 2023 – Aug 2023

- I helped J.P. Morgan's Onyx blockchain team ensure operational readiness by automating data compliance processes
- Paired with an engineer to develop, test, and deploy data archival and retention microservices with 98% coverage
- Utilized Kotlin for backend, JavaScript for frontend, and AWS Terraform to deploy AWS resources

Endowus | Mobile Engineer Intern, Jan 2023 – Jun 2023

- I helped Endowus grow their AUA by working with product managers to develop user engagement features
- Paired with an engineer to deliver and test major features that boosted CPF and SRS investments, inclusive of in-app notifications, personalized user recommendations section, Endowus brand building section, and more, for 100k users
- Independently led an epic on churn reduction, from investigating implementation possibilities to delivering features
- Utilized Flutter for front-end and Charles for debugging while improving test coverage from around 20% to >80%

SAP Asia | Data Architect Intern, Dec 2021 – Dec 2022

- I helped SAP's APJ Data Architecture team progress deals by delivering solution pitches and tool demonstrations
- Curated a series of artefacts used in engagements, inclusive of demo videos, analytics white papers, and more

Quest – Hire a Hero | Software Engineer Intern, May 2021 – Aug 2022

- I helped Quest launch their paid product by developing front-end features and back-end capabilities
- Boosted user numbers 5x by independently building features such as chats, from system design to implementation
- Created Telegram bot (Python) after identifying inefficiencies in content management, increasing response rate 10x
- Leveraged Flutter for front-end, Node.js for back-end, Google Firestore for storage, and Google Firebase for analytics

EDUCATION

Singapore Management University

Bachelor of Science (Honors) in Information Systems, Specialization in Digital Transformation and Cloud Technology

- CGPA: 3.8 / 4.0 (Highest Distinction), SMU Merit Scholarship Program (Up to 35 awardees annually)
- Co-curricular involvement: Women in Business, Badminton, The Mentoring Circle, Growth-X Consulting, Product Club
- Won J.P. Morgan's Code for Good Hackathon 2022 and UBS Case Challenge 2021

SKILLS

Languages

Dart | Python | Java | JavaScript | HTML | SQL | TypeScript | PHP | Swift | Kotlin

Libraries, Frameworks, and Tools

Flutter | React | PostgreSQL | MySQL | Git | Bitbucket | CI / CD | Next.js | AWS | Figma | Firebase | Nest.js | Express.js

Certifications

AWS Certified Solutions Architect – Associate | AWS Certified Cloud Practitioner | Oracle Certified Foundations (Java)

PROJECTS

Fitness Trainer Mobile App | Mobile app built with Kotlin to help beginners exercise with proper posture

Corporate Benefits Web App | Worked with SSP to develop their employee benefits portal built on Next.js

Employee Upskilling Web App | Learning journey management system built on React.js and tested with PyTest

Web3 NFT Ticketing Web App | Event management and ticketing platform built on React.js to prevent scalping

Crypto-Trading Educational Web App | Educational platform on crypto-trading built on Vue.js and Google Firestore

MISCELLANEOUS

Leadership & Volunteering

- As [President of SMU Product Club](#), my team and I enacted new programs aimed at reducing the information friction on product management faced by students, while increasing opportunities for them to find related roles
- As [Vice-President of Growth-X Consulting](#), I stabilized the pipeline of companies engaging our consultants for projects
- As [Chairperson of an SADeaf fund-raising campaign](#), I led a 60-man team of youth to raise >S\$13k in 5 initiatives
- As [instructor](#) at The Lavender Spaceship Project, I teach web development to empower young girls in STEM
- As a [volunteer](#) with Inspiring Girls (Singapore Chapter), I design their volunteer management system's web app