

YEH SHANN WEI (WEI-WEI)

Software Engineer in IBM Taiwan as Application Consultant, focus on Java Spring Boot and core transformation.
B.Sc. in Computer Science from The Chinese University of Hong Kong with Honors, Second Class Upper Division.

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EDUCATION

Bachelor of Science in Computer Science <i>The Chinese University of Hong Kong (CUHK)</i> Major GPA: 3.348/4.000 Graduate with Honors, Second Class Upper Division Scholarships: CUHK Admission Scholarship (50% tuition), CUHK Faculty of Engineering Admission Scholarship (25% tuition) Notable Courses: Software Engineering (A) , Data Structures (A-) , Principles of Programming Languages (B+)	<i>Sep. 2017 – Nov. 2021</i> <i>Hong Kong</i>
Exchange <i>University of Hawaii at Manoa</i>	<i>Jan. 2019 – Jun. 2019</i> <i>Hawaii, USA</i>

SKILLS

Programming Languages	Java JavaScript Python C HTML CSS C# Kotlin
Technologies	Spring Boot React.js Docker/Podman OpenShift Container Platform Jenkins Redmine Portainer Android Studio GitHub Actions Apache POI Microsoft Excel

EXPERIENCE

IBM Taiwan <i>Application Consultant in Core Modernization Project, Taiwanese Client in Banking Industry</i> - Implemented and tested approximately 20 core banking transactional features. Assisted in developing 50% of total features. - Exercised Agile Development as a product owner and development team member in 10-member team by running sprints. - Enabled interfacing between existing frontend and modernized backend. Coordinated with the client team to develop middleware. - Developed toolkits that generate project code from Excel files including Java Spring Boot boilerplates and SQL DML/DDL. - Tech Stack: Java Spring Boot (backend), Jenkins (CI), OpenShift Container Platform (CD), Docker/Podman (microservices)	<i>Taipei, Taiwan</i> <i>Mar. 2022 – Present</i>
<i>Associate Application Consultant in Core Modernization Project, Taiwanese Client in Banking Industry</i> - Contributed to system analysis for approximately 30 system features for internet bank backend services. - Reverse Engineered existing system by source code analysis to produce System Design documents. 10,000+ lines of COBOL. - Reduced 70% of effort to communicate specs by designing software that translates Excel files to API calls to IBM Mainframe. - Tech Stack: Microsoft Excel (system design document template), Apache POI (Excel file parsing), Java Spring Boot (API)	<i>Mar. 2021 – Mar. 2022</i>

NOTABLE PROJECTS

Wedding Website <i>Full Stack Developer</i> - MVP for wedding website with guest signup and emailing. Developed architecture between GitHub Pages and selfhosted docker. - Maintained a self-hosted backend with Docker Compose with automatic deployment via Portainer. - Tech Stack: Next.js (frontend), Java Spring Boot (backend), Resend API (email), GitHub Actions (CI/CD), GitHub Pages (hosting), Docker/Portainer (backend deployment)	<i>Feb. 2024 – Present</i> <i>GitHub, Personal</i>
Fate Grand Automata <i>Open-Source Contributor (1.3k stars on GitHub) & Localization Support</i> - Provided full Traditional Chinese localization materials for FOSS Android app. Top 5 contributors among ~20. - Submitted PRs to fix breaking changes when upstream updates by supplying assets and/or scripting logic in Kotlin. - Provided test results to developers to assist in supporting the Taiwanese market. - Tech Stack: Kotlin (Android App), OpenCV (Image Recognition), Android Accessibility Service (clicking/swiping)	<i>Jul. 2020 – Present</i> <i>GitHub, Open-Source</i>
Member Backend <i>Full Stack Developer</i> - Developed as sole developer to implement a member's dashboard for a Taiwanese NGO with Firebase Hosting, Firebase Authentication with email/Google accounts and Firebase database. - Tech Stack: React.js (frontend), Firebase (backend), Firebase Hosting (hosting), GitHub Actions (CI/CD)	<i>Dec. 2020 – Jul. 2021</i> <i>Taipei, Taiwan</i>
HKTSA Official Website <i>Front End Developer</i> - Owner of designing, deployment, and SEO to homepage of Hong Kong Taiwanese Students' Association using Firebase hosting. - Tech Stack: HTML , CSS , Firebase Hosting , SEO	<i>Sep. 2018 – Sep. 2019</i> <i>Hong Kong</i>

CERTIFICATIONS

<u>Microsoft Certified: Azure Fundamentals</u>	<i>Jun. 2023</i>
<u>Microsoft Certified: Azure AI Fundamentals</u>	<i>Jun. 2023</i>
<u>IBM Garage Methodology Explorer</u>	<i>Aug. 2022</i>
<u>IBM Agile Explorer</u>	<i>Jun. 2022</i>
<u>AWS Certified Cloud Practitioner</u>	<i>Jun. 2022</i>
<u>Enterprise Design Thinking Practitioner</u>	<i>Mar. 2022</i>
<u>COBOL Programming with VSCode</u>	<i>Mar. 2022</i>