YEH SHANN WEI (WEI-WEI)

Software Engineer, System Analyst, IT Consultant. Focus on Microservices, Hybrid Cloud in Java and JavaScript.
B.Sc. in Computer Science from The Chinese University of Hong Kong with Honors.

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EXPERIENCE

IBM Taiwan   *Taipei, Taiwan*
Retail Management System Project, E-Commerce Industry | *Software Engineer, System Analyst, Tester*   *Sep 2024 – Present*
- Modernized internal facing e-commerce management system in C# .NET/Vue.js microservices. Focus on merchandise management.
- Created test cases and test results via automated and manual testing for 4 core features.
- Proposed and provisioned automated end-to-end testing via Playwright on CI pipeline to ensure code consistency.
- Tech Stack: **TypeScript Playwright** (E2E Testing on CI), **Azure DevOps** (CI)

Developer Portal Project, SRE Sector | *Software Engineer, Infrastructure, DevOps*   *Nov 2024 – Dec 2024*
- Implemented working demo site based on Spotify Backstage, TypeScript, React.js to enable automated provisioning as sole developer.
- Communicated engagement strategy and user story including Terraform, GitLab CI, GitHub Actions, AWS provisioning.
- Tech Stack: **TypeScript React.js** (frontend/backend), **GitLab CI/GitHub Actions** (CI/CD), **Terraform** (Infrastructure), **Amazon AWS** (Infrastructure), **Spotify Backstage** (templating/provisioning), **Playwright** (E2E Testing on CI)

Warehouse Management System Modernization Project, Distributer Industry | *Software Engineer, Tester*   *Jul 2024 – Dec 2024*
- Modernized internal facing warehouse management system in Spring Boot microservices. Focus on inventory locks/assignments.
- Proposed and implemented data migration/verification framework to achieve >99% accuracy and verifiability.
- Prototyped end-to-end testing via Playwright to mass-produce test cases and ensure test data consistency.
- Tech Stack: **Java Spring Boot** (backend), **Azure DevOps** (CI/CD), **Docker/Podman** (microservices), **Playwright** (E2E testing)

Banking Core Modernization Project, Banking Industry | *System Analyst, Developer, Tester*   *Mar 2022 – Jul 2024*
- Modernized public facing banking backend in Spring Boot microservices. Focus on internet/mobile banks.
- Exercised Agile methodologies as a product owner and developer team member in 10-member team.
- Reduced >70% communication effort by designing a tool that translates Excel files to API calls to IBM Mainframe.
- Reverse-engineered existing system by analyzing 10,000+ lines of COBOL to produce System Design documents for 30+ features.
- Developed 50% of features in project scope and owned approximately 20 internet banking transactional features.
- Enabled interfacing between existing frontend and modernized backend by coordinating with client team to develop middleware.
- Tech Stack: **Java Spring Boot** (backend API), **Jenkins** (CI), **OpenShift Container Platform** (CD), **Docker/Podman** (microservices), **Excel** (system design document template), **Apache POI** (Excel file parsing)

NOTABLE PROJECTS

Wedding Website   *Feb 2024 – Present*
Full Stack Developer   *GitHub, Personal*
- My wedding website with guest signup and emailing. Java Spring Boot backend and React.js frontend in Docker containers.
- Maintained CI/CD pipeline with GitHub Actions that wraps backend and frontend to Docker images, deployed via Portainer.
- Tech Stack: **Next.js** (frontend), **Java Spring Boot** (backend), **GitHub Actions** (CI/CD), **Docker/Portainer** (backend deployment), **GitHub Pages** (hosting), Resend API (email)

EDUCATION

Bachelor of Science in Computer Science   *Sep 2017 – Nov 2021*
The Chinese University of Hong Kong (CUHK)   *Hong Kong*
Major GPA: 3.348/4.000 | Graduate with Honors, Second Class Upper Division
Scholarships: CUHK Admission Scholarship, CUHK Faculty of Engineering Admission Scholarship
Notable Courses: **Software Engineering** (A), **Data Structures** (A-), **Principles of Programming Languages** (B+)

Exchange   *Jan 2019 – Jun 2019*
University of Hawaii at Manoa   *Hawaii, USA*

SKILLS

Programming Languages	**Java** | **JavaScript** | Python | C | HTML | CSS | C# | Kotlin
Technologies	**Spring Boot** | **React.js** | **Docker**/Podman | Playwright | Terraform | Spotify Backstage | Azure DevOps | OpenShift Container Platform | Jenkins | Redmine | GitHub Actions | Apache POI | Microsoft Excel

CERTIFICATIONS

Microsoft Certified: Azure Fundamentals	*Jun 2023*
Microsoft Certified: Azure AI Fundamentals	*Jun 2023*
IBM Garage Methodology Explorer	*Aug 2022*
IBM Agile Explorer	*Jun 2022*
AWS Certified Cloud Practitioner	*Jun 2022*
Enterprise Design Thinking Practitioner	*Mar 2022*
COBOL Programming with VSCode	*Mar 2022*