

WEI-CHIEN HSU (JAMES HSU)

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EDUCATION

Bachelor of Computer Science and Information Engineering, National Taiwan University 2018 - 2021
Relevant Courseworks: Data Structure and Algorithm, Software Engineering Design, and Information Retrieval.

EXPERIENCE

Chrome Automation Intern Jul 2020 - Jun 2021
Intel Corp. *Taipei, Taiwan*

- Optimized CI/CD pipeline
 - Reduced time by 70% by redesigning the pipeline with docker.
 - Executed jobs parallelly and generated 4 different CPU platforms of programs.
 - Solved the dependency issue and enabled the programs to run both on Windows and Linux platform.
- Introduced tests and integrated with CI/CD pipeline to run the tests on remote real machines.
- Integrated external services including snyk, blackduck, and checkmarx into CI/CD pipeline.
- Migrated from GitLab CI/CD to GitHub Actions within 5 workdays.

DevOps Intern Nov 2019 - Jun 2020
Cathay Financial Holdings *Taipei, Taiwan*

- Built a GitLab CI/CD pipeline to automatically deploy a Java chatbot on AWS EKS.
- Explored AWS services including EC2, EKS, Lambda, CDK, S3, DynamoDB, CodePipeline, Auto Scaling, and other 14 services.
- Surveyed DevOps tools including Prometheus, Drone CI, and Kubernetes.

Software Engineer Intern Jul 2019 - Jan 2020
NTU COOL *Taipei, Taiwan*

- Developed an automation python script that helps dump data of over 10000 courses, 30000 students, and 200000 enrollments from MS-SQL to the teaching platform via API every day within a month.
- Built a staging environment in one-line command with docker-compose and ansible.
- Integrated unit tests with Gitlab CI to enhance code quality.

SKILLS

DevOps	CI/CD (GitLab, Drone, AWS, GitHub), Docker, Kubernetes, Prometheus, Grafana, PyTest
AWS	Lambda, EC2, S3, CodePipeline, DMS, ELB, Auto-Scaling, CDK
Linux	DNS, Mail server, VPN server, LVM, Reverse Proxy, Nginx
Web	Django (Python), Gin-Gonic (Go), Flask (Python), Vue (TypeScript)
Languages	Python, Go, Shell Script, JavaScript, TypeScript, Java, C++, C, SQL

PROJECTS

Million-Singer-backend (Go, Gin-Gonic, 4200 LOC) A RESTful API Karaoke game server featured user authentication, redis, prometheus, ELK, SQL and unit tests.

Million-Singer-frontend (Vue, TypeScript) Kareoke game with admin page that allows users to add songs, lyrics, and collections into databases via APIs.

Vector Space Model (Go) Implementation of Vector Space Model of Information Retrieval in Go.

Django Website (Python, JavaScript) Website that allows users to register, log in, and download files.