Wong Chong Sang Johnson Full Stack Developer

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SKILLS
Languages
Python
Java
PHP
JavaScript/TypeScript
(ReactJS, VueJS, ExpressJS)
C#
C++

Databases/Storage
Oracle
MySQL
PostgreSQL
MinIO
MongoDB
GCP BigQuery
GCP FireStore
GCP Cloud Storage

Infra/DevOps/Cloud
Nginx
Apache
Microsoft IIS
Docker
Kubernetes
Ansible
Pulumi
Terraform
CI/CD
GCP

EDUCATION
Bachelor Degree of Physics
The Chinese University of Hong Kong
(2012 - 2015)

LANGUAGES
Cantonese
- Native
English
- Bilingual Proficiency
Mandarin
- Bilingual Proficiency

INTERESTS
Football, ACGN, Origami, Hiking

WORK EXPERIENCE

Apple Inc. — 2023/3 – Present
American multinational corporation and technology company
Senior Software Engineer (Contract)

Duties
- Join the pipeline monitoring team for developing triaging intelligence solutions to support global Siri QE teams
- Responsible for system design, development in backend, databases, cloud architecture, data engineering, infrastructure, CI/CD, etc.
- Technical Lead for development in several modules
- Provide trainings and mentor developers across multiple countries

Hong Kong Observatory — 2019/10 – 2022/2
weather forecast agency of the government of Hong Kong
Analyst Programmer (T-Contract)

Duties
- Lead team to develop AI applications to help forecasting teams analyze and visualize weather impact data (models used: Dual Path Network, VGG-16 + U-net)
- Responsible for requirements capture, system design, UX design, full-stacked development, data engineering, model tuning, testing, documentation, server setup and maintenance
- Communicate with service and hardware provider companies
- Mentor interns and new colleagues
- Cooperate with different teams in several IoT and AI projects
- Present to senior scientific officers and prepare documentations

Hung Hing Off-Set Printing Group Limited / Tai Po, Hong Kong
60+ years Printing and Manufacture Local Company listed on the Hong Kong Stock Exchange (SEHK: 450)
Junior Developer — 2016/2 – 2019/9

Duties
- Lead technical team to develop new applications (mobile app and websites) for HK/Mainland China factories, office colleagues and customers.
- Responsible for requirements capture, system design, full-stack development, testing, documentation, server setup and maintenance.
- Acting as a bridge between colleagues and vendors for outsourced mobile app and websites.
- Provide support & maintenance of existing Java programs, MySQL databases, mobile apps (iOS and Android), websites and other application servers.

Highlighted Project
Industrial Revolution 4.0 - IoT implementation in factory machines with Tablet App
initiating the concept of Industry 4.0 in the company
*2019 Hong Kong ICT Awards: Smart Business - Gold Award
- Introduced Machine Operator Console App for over hundreds of factory machines to replace paper-based process, record real-time production data and analysis data for improving OEE (Overall Equipment Effectiveness).
- Developed IoT program, Tablet App (Android) and monitoring page (for TV screens) in multi-factories in HK and mainland China.
- Centralized big data from IoT devices across multi-factories.
- Designed network architecture and set up servers.
- Developed mobile app (iOS and Android) for visualizing real-time factory machines status and job progress for management levels.
- Developed notification and chat room functions to ease communication between colleagues, thus to minimize unplanned idle time of machines.

AWARDS
2019 Hong Kong ICT Awards: Smart Business - Gold Award
Smart Planning
Reference: https://www.hkcs.org.hk/wp-content/uploads/Publication/Press_Release/190404_HKICT-Awards-2019-Press-Release-English-version_v3.pdf

2019 Hong Kong IDC Digital Transformation Awards Winner
2019 Operating Model Master for Hong Kong
Reference: https://www.idc.com/events/future-enterprise-awards/winners