Wong Chong Sang Johnson
Full Stack Developer

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SKILLS
Languages
Python
Java
PHP
JavaScript
C#
C++

Databases
MySQL
Oracle
SQLite
PostgreSQL

Server Maintenances
Nginx
Apache
Microsoft IIS
Docker
Kubernetes
Ansible
Terraform

EDUCATION
Bachelor Degree of Physics
The Chinese University of Hong Kong
(2013 - 2016)

LANGUAGES
Cantonese
Native

English
Bilingual Proficiency

Mandarin
Bilingual Proficiency

INTERESTS
Football, ACGN, Origami, Hiking

WORK EXPERIENCE

Analyst Programmer
T-Contract in Hong Kong Observatory 2019/10 – 2022/2
Agent companies:
IT Solutions Limited, Hong Kong 2021/10 – 2022/2
PERSOLKELLY Hong Kong Limited, Hong Kong 2019/10 – 2021/9

Duties
- Developing new deep learning applications (including full-stacked website developments)
- Responsible for requirements capture, design, coding, testing, installation, documentation, server setup and maintenance
- Communicating with service and hardware provider companies
- Mentoring interns and new colleagues
- Prepare documentations and presentation materials

Highlighted Project
Smart Weather Analytics Platform (2020/10 – 2022/02)
Setup a platform for weather impact analytics
- Developed a system for analyzing different impact of weather
- Developed a webpage for visualizing the model results and raw data (with VueJS)
- Setup GPU workstations and development environments for colleagues' AI projects
- Communicated with vendors to setup clusters of GPU servers and database servers in HKO main server room
- Mentored interns and new colleagues
- Cooperated with colleagues in different IoT and AI projects

Junior Developer 2016/03 - 2019/09
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)

Duties
- Working in the Hong Kong main office and visiting mainland offices if needed.
- Developing new applications (mobile app and websites) for factory workers, office colleagues and customers.
- Responsible for requirements capture, design, coding, testing, installation.
- Acting as a bridge between colleagues and vendors for outsourced mobile app and websites.
- Providing support & maintenance of existing Java programs, MySQL databases, mobile apps (iOS and Android), websites and other application servers.

Highlighted Projects
Industrial Revolution 4.0 - IoT implementation in factory machines with Tablet App (2016/06 – 2019/09)
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.hkictawards.hk/doc_2019/booklet/General_Award_Programme_2019.pdf (p31)

2019 Hong Kong IDC Digital Transformation Awards Winner
2019 Operating Model Master for Hong Kong
Reference: https://www.idc.com/getdoc.jsp?containerId=prAP45491619