



# Wong Chong Sang Johnson

Full Stack Developer

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 <https://noniosh.github.io/>

 <https://github.com/noniosh/>

## SKILLS

### Languages

Python

Java

PHP

JavaScript/TypeScript

(ReactJS, VueJS, ExpressJS)

C#

C++

### Databases

Oracle

MySQL

PostgreSQL

MinIO

MongoDB

### Infra/DevOps

Nginx

Apache

Microsoft IIS

Docker

Kubernetes

Ansible

Terraform

CI/CD

## 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

### Analyst Programmer

*T-Contract in Hong Kong Observatory*

Agent companies: *IT Solutions Limited, Hong Kong*

*PERSOLKELLY Hong Kong Limited, Hong Kong*

2019 – 2022

2021 – 2022

2019 – 2021

#### Duties

- Developing new deep learning applications (including full-stacked website developments with VueJS and Python)
- Responsible for requirements capture, system design, UX design, coding, data engineering, model tuning, testing, documentation, server setup and maintenance
- Communicating with service and hardware provider companies
- Mentoring interns and new colleagues
- Prepare documentations and presentation materials
- Developing and maintaining other side projects (e.g. Smart Lamppost) with Go, ExpressJS

#### Highlighted Project

##### Smart Weather Analytics Platform (2020 – 2022)

*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 - 2019

*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

- Developing 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.
- 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

*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](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>