

Yam Ho Wing Isaac

Software Engineer | Technical Engineer

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EDUCATION

Bachelor of Engineering in Biomedical Engineering,
City University of Hong Kong
09/2018 – 03/2023

- **Relevant Coursework:** Data Analysis with Python/MATLAB, Artificial Intelligence in Biomedical Engineering, Biomedical Signal Processing, Computer Programming, Final Year Project (Data-Driven Biomedical Application)

PROFILE

With 2+ years of experience in full-stack development and cloud infrastructure. Skilled in Python, JavaScript/TypeScript, React, Node.js, AWS, and Docker. Proven record of delivering scalable solution that can be applied to solve client's requirement

PROFESSIONAL EXPERIENCE

Technical Engineer, I-Tech Healthcare Ltd.

06/2023 – Present | Tsuen Wan

- Assist in the design and implementation of technical solutions for healthcare projects.
- Conduct training sessions for staff to improve technical competencies.
- Conduct meeting internally and externally with department head to drive business decision
- Participate in the tendering process for new projects.
- Develop software to streamline laboratory workflows.

Engineer Trainee, I-Tech Healthcare Ltd.

- Conducted hands-on testing of analyzers and medical devices in compliance with CLIA standards.
- Assisted in drafting technical documentation for equipment operation protocols.
- Participated in cross-functional meetings to align project objectives and timelines.
- Contributed to the design of user testing procedures, ensuring compliance and safety requirements were met.

PROJECTS

RFID Inventory Management Platform, React • Java • Node.js • PostgreSQL • IoT

- Designed and delivered a 500,000 HKD RFID-based inventory management system for Gleneagles hospital for reagent, sample and waste management.
- Taking part in most of the work, from requirement to deployment
- Architect the system architecture by self-learning and oversea traveling
- Integrate the hardware using manufacturer's SDK and RestAPI

Laboratory Information System (LIS), React • Django • PostgreSQL

- Taken part in the tendering provided by the Hong Kong Metropolitan University, estimated budget about 1 million HKD.
- Built comprehensive system to store patient data, sample details, test result.
- Integrate with various healthcare analyzer with HL7
- Streamlined workflow in laboratory

Company Website Development, React • Strapi

- Developed a company website for our corporate company, Heldico MediLife Technology
- Using Strapi V5 to establish a headless CMS such that non-technical user can update the website

SKILLS

– Python, JavaScript/TypeScript, Java, | React, HTML5, CSS3, TailwindCSS, | Node.js, Express.js, Django, RESTful, GraphQL, | PostgreSQL, MySQL, AWS (EC2, S3, Lambda, RDS, ECS), Docker | Git/GitHub, MS Office, Postman, VS Code

CERTIFICATES

- AWS Certified Cloud Practitioner
- Full-Stack Development Certificate by Codecademy
- Professional Training in CLIA Analyzer Management