HKU CAREERS

IT Technician / Senior IT Assistant (holding the functional title of Web Developer)

Ref.: 512546
Work type: Full-time
Department: Faculty of Social Sciences (30000)
Categories: Executive / Technical / Support

IT Technician / Senior IT Assistant (holding the functional title of Web Developer) in the Centre for Water Technology and Policy of the Faculty of Social Sciences (Ref.: 512546) (to commence on September 1, 2022 for one year, with the possibility of renewal subject to satisfactory performance and funding availability)

The Faculty of Social Sciences and the Faculty of Engineering, in collaboration, have jointly established the Centre for Water Technology and Policy to conduct cutting-edge research on water science, technology and policy issues relating to the broader urban sustainability agenda. The Centre is dedicated to pursuing excellence in research and teaching on water policy-technology interface issues, and to reaching out to the larger community to stimulate discussion on salient research findings.

Applicants who hold a Bachelor's degree or above in engineering-related disciplines and have relevant project and/or internship experience in web development are welcomed to apply. They should have solid knowledge of application-layer protocols (e.g., HTTP and MQTT), Python programming, containers (e.g., Docker), Linux server administration, and Git workflow. Those with experience in AWS cloud services (e.g., API Gateway, DynamoDB, Lambda, etc.) and building CI/CD pipelines are preferred. Prior experience and/or interests in IoT systems would be an advantage.

The appointee will work on a multi-year interdisciplinary project that makes use of cutting-edge Artificial Intelligence (AI) and Internet of Things (IoT) technologies to study residential water usage and water conservation policy in Hong Kong. The project is being undertaken by a team of researchers drawn from the Faculties of Engineering and Social Sciences at HKU. He/She will be responsible for (i) developing and deploying secure, reliable, and scalable backend services for IoT devices; (ii) maintaining server and DevOps

infrastructure, both on public cloud and on-premise; (iii) developing and maintaining internal web-based systems for IoT devices fleet management; (iv) writing testable and maintainable code; and (v) preparing documentation.

A highly competitive salary commensurate with qualifications and experience will be offered, in addition to annual leave and medical benefits.

The University only accepts online applications for the above post. Applicants should apply online and upload an up-to-date, project-based CV (including a link to your GitHub profile and/or web projects), transcripts and a writing sample. Review of applications will start as soon as possible and continue until **June 30, 2022**, or until the post is filled, whichever is earlier.

Advertised: Apr 14, 2022 (HK Time)
Applications close: Jun 30, 2022 (HK Time)

Powered by PageUp