薛孟睿 Jerry Xue

YouTube Test Engineer

📍 Taoyuan City, Taiwan

Information of Management graduate, with experience in Software automation testing and development, is adept in testing, developing, and maintaining software systems.

Equipped with a diverse and promising skill set. Proficient in various platforms, languages, and IoT applications.

Able to effectively self-manage during independent projects and collaborate as part of an agile product team.

Years of experience working in multinational teams, experience leading small teams establishing various processes, and acting as technical lead.

技能 Skills

Automation Testing

Web UI/API

- Selenium
- Robot Framework
- Python

Windows App(UWP)

- Appium
- Robot Framework
- Python
- Selenium Grid

Web/App/ML Development

Front-end

- HTML/CSS/Bootstrap/Chart.js
- JavaScript/jQuery
- Vue.js

Back-end

- PHP5
- Python-Django

Mobile App

- iOS - Swift
- Android - JAVA

Machine Learning

- Python/Keras

Database

- Oracle SQL
- MySQL
- MS SQL
- Google Firebase
- BigQuery

Tools

- Git
- Github
- Azure DevOps
  - Pipeline
  - Agent Pool
- Azure Portal
- GCP
  - GAE
  - GCE
  - DataForm
  - Cloud Deploy
  - Cloud Run
- Jinkins
- VS Code
- insomnia
- Linux
- Docker
- Minicom
- Raspberry Pi
- Arduino

Automation Testing

- IoT API/IoT Web UI automation test development in Selenium, Python, and Robot framework.
- Windows App(UWP) API automation test development in Appium, Python, and Robot framework.
- Implement pipeline for deploying automation testing parallelly and integrating into the CI/CD process.

Web/App Development

- RESTful API backend development with Django/gunicorn
- Manage instance on GCP&Azure
- Frontend development in HTML/CSS/JavaScript/jQuery/Vue.js.
- Integrate databases in MySQL/MSSQL/Oracle SQL/Google Firebase.
- Web Server setup in AMP(Apache, MySQL), Django/gunicorn/Nginx
- iOS App development in Swift/Message Kit/Core NFC.

Machine Learning

- Experience with using Python and Keras in medical image classification and detection based on CNN.

Basic Hardware Application

- Experience with Raspberry Pi 3/4 and environmental sensors(Temperature, humidity, pm2.5, co2, dangerous gas, ultrasonic/infrared distance, infrared camera).
- Experience with Arduino and environmental sensors.

工作/專案經歷 Work/Projects Experience

2022.06 - Present

YouTube Test Engineer (Onsite at Google)

Wipro Limited

A member of the YouTube Living Room Compliance Lab at Google Taiwan.

Implement the test result data ETL pipeline on BigQuery and implement the frontend dashboard.

Analyze the daily nightly build test results and provide them to the product team for the release pipeline.

Create the backend deployment process on GCP and implement the RESTful API and Socket service.

Manage the instance and create the release process.

Corporate with JP, KR & US YouTube Lab to build up the test result dashboard and analysis shared with YouTube device partners.

Design the Automation Testing framework for the internal service.

2020.06 - 2022.06

Software QA Engineer

West Pharmaceutical Services

Leading a small global team(6 members located in Taiwan and India)

Import automated tests and processes into existing global high-priority projects from scratch(Digital Manufacturing Orchestrator)

- API automation coverage: from 0% to 95%
- UI automation coverage: from 0% to 23%
- parallel testing on multi VMs

Design automation test pipeline and architecture also develop tools with Python.

Planning the automation testing strategy with the development team and management team

Daily/weekly report progress to management and planning members for task scheduling and cooperate with different multinational teams (SAP team/PowerBI team) to complete multiple integration tasks

Implement a parallel automated test (UI) on multiple virtual devices

UWP application automation testing Implementation based on Appium and Robot Framework

IoT Platform and application API, WEB integrated testing, automated test coding (Python, Robot frameworks).

Multinational project API, WEB automation test coding (Python, Appium).

Maintain VM Agent pool for deploy automation test.

Help develop IoT devices depending on the IoT Platform and use Websocket or MQTT to connect(node.js).

Taiwan local IT admin role

2019.07 - 2020.08

專案: 車牌辨識管理系統

Vehicle License recognition system

產學合作 Industry-Academy Cooperation

華岡保全股份有限公司

Based on HTML/Bootstrap/DataTable and PHP5.

Self-design DB schema and relationships, including user info, history, permission design, car info, etc.

Implement login, remote control, and real-time CCTV.

2019.07 - 2020.05

Software/firmware Quality Assurance Intern

Exosite

IoT Platform API, WEB, Firmware (Wi-Fi model, MQTT, WebSocket, minicom) integrated testing.

Automated test coding. (Python, Robot frameworks, Docker)

Git, Jenkins cloud deployment, Jira project management applications.

2018.06 - 201.11

專案: AI智慧型展場保全系統

Intelligent Integration Exhibition Field and Security System

比賽作品 Competition works

Receiving International ICT Innovative Services Awards 2018 IP 1st and International ICT Innovative Services Awards 2018 AWS Application.

Implement:

Web: login page full-stack,

iOS App:

2018.01 - 2018.03

雲端飯店管理系統

Cloud Hotel Management System

產學合作 Industry-Academy Cooperation

靈知科技股份有限公司Wise Technology

更新雲端飯店系統UI、Debug

Update loud Hotel system UI, Debug

2017.04 - 2017

MorSensor感測系統 iOS App

產學合作案 研7860
MorSensor CO2、Barometer感測系統 iOS APP開發

產學合作 Industry-Academy Cooperation

國家實驗研究院台灣半導體研究中心 National Applied Research Laboratories

MorSensor CO2, Barometer sensing system iOS APP development

Implement monitoring sensor in real-time via Bluetooth.

學歷 Education

朝陽科技大學Chaoyang University of Technology

學士 Bachelor

資訊管理系 Department of Information Management

2015 - 2019

證照 Certifications

- Oracle Certified Associate, Java SE 8 Programmer
- Oracle Database SQL Certified Associate
- TOEIC - 750
- Level B technician for digital electronics

語言 Language

- English — fluent for working
- Mandarin — fluent

媒體採訪及訪談 Media interviews

Newspaper - Economic Daily News

Receiving International ICT Innovative Services Awards 2018 IP 1st and International ICT Innovative Services Awards 2018 AWS Application 2nd with the project "Intelligent Integration Exhibition Field and Security System".

Radio - National Education Radio

Receiving International ICT Innovative Services Awards 2018 IP 1st and International ICT Innovative Services Awards 2018 AWS Application 2nd with the project "Intelligent Integration Exhibition Field and Security System".

專案 Projects

AI智慧型展場保全系統-iOS APP

此APP具有觀看sensor即時數據、NFC掃描簽到、即時聊天室等功能。

AI智慧型展場保全系統-Web

本頁面是為了讓保全人員可快速一次觀看多個sensor即時數據等多功能頁面。

車牌辨識管理系統-Web

可使用本系統完成管理公司/保全/住戶三方應用

雲端飯店管理系統

本頁面可管理訂房狀況及打掃等客房相關即時資訊

MorSensor感測系統-iOS APP

可使用APP即時觀看MorSensor感測器數據