

Muhamad Rafiqi Bin Ruslan

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Summary

A test development engineer experienced in automated software testing, automated firmware validation, lab instrument handling and Agile software process.

Education

University Of Malaya, Kuala Lumpur
Bachelor of Electrical Engineering, 2017 - August 2020

Employment

Test Development Engineer, 8/21 - Myreka Technologies Sdn Bhd, Bayan Baru, Penang

- Write test automation scripts for software and firmware products.
- Defined the test methodology and test cases for firmware and software products.
- Execute functional test, manual test and bug verification for software and firmware products while ensuring product delivery is on time.
- Regularly pushed test automation code to BitBucket code repository by using GIT terminal.
- Regularly reported new found bugs into JIRA.
- Participate in stand-up meetings with project manager and software/firmware engineers.
- Perform automated power supply firmware validation with test setup consisting of power supply DUT, oscilloscope, electronic load module, digital multimeter and signal generator.
- Perform electronic load module firmware validation with test setup consisting of power supply, electronic load DUT and oscilloscope.
- Developed a C# program to communicate with remote measuring instrument via SCPI command.
- Developed a Python script to automate JIRA issue tickets summary into an excel document.

Junior Python Developer, 10/20 to 7/21 - Pioneer Victory Sdn Bhd, Cyberjaya, Selangor

- Worked with a big data team consisted of project manager, data engineer, and data analyst to develop data dashboard for Malaysia climate change readiness.
- Developed automation script to perform data cleaning, data transformation and data preparation in Python.
- Participated in weekly meeting with project manager, data analyst and technical advisor.
- Participated in UAT session with client.

Skills

Programming Languages: Python, C++, C, SenseTalk, C#

Version Control : GIT, BitBucket (remote repository)

Electrical Engineering: Basic electronic circuit wiring, lab instrument handling (oscilloscope, power supply, remote control with SCPI), test setup debugging,

Communication Language: English, Malay

Soft Skills: Team work, able to work with minimal supervision, helpful, self-starter, agile