

WIZ LEE ZHE HENG

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PERSONAL PARTICULARS

Nationality : Malaysian
Home address : No. 90, Jalan Seri Binjai 3,
Taman Seri Binjai, Rahang
70100 Seremban,
Negeri Sembilan.

SUMMARY

- A technology enthusiast with more than 7 years of experience in various phases of software development project: design, implementation, defect fixing, deployment and testing.
- Fields of work
 - Current: Embedded System
 - Previous: Machine Automation
- An information security conscious software engineer.
 - Equipped with and practices software design principles such as TDD and SOLID principles.
 - Work well in a team and as a lead in an initiative/project.
 - Constantly improving myself with secure programming best practices.
- Skills
 - Main: Python, C/C++, Node JS, TDD, Git, Jenkins, and C#.
 - Semi-professional: Docker, Web Development, PowerShell, bash, RabbitMQ, and React JS.

PROFESSIONAL EXPERIENCE

MOTOROLA SOLUTIONS SDN. BHD., PENANG (April 2017 – Present)

Software Engineer In Test (August 2019 – Present)

Job Field : Embedded Software Test Automation

Responsibility : Create and maintain automation test system for radio devices.

Contribution :

- 1) Manage the team backlogs which comprises of another junior team member and myself.
 - Work closely with counterparts in the US and prioritize tasks from both the local and US teams.
- 2) Enhance the test system to support new radio features.
 - The system consists of test stations fleets that distributes tests on demand depending on station availability, hardware required to run a test, and other test properties.
- 3) Provide support and advice to software and test engineers on automating their tests.
 - For example, advice radio feature A will need a new enhancement in the test system and work together with the feature team to add the enhancement into the system.

- 4) Increase the productivity of the software engineering team by creating tools or improve existing work flow.

Software Engineer (March 2017 – August 2019)

Job Field : Embedded Software

Responsibility : Develop new ergonomics firmware features and defect fixing of radio communication devices written primarily in C/C++.

Contribution :

- 1) Be a Scrum Master on top of performing ergonomics firmware design and enhancement.
- 2) Volunteer to join a new team formed to develop a new flagship radio device.
 - Ramp up new engineers on both the new product and on the automation test.

MICRO MODULAR SYSTEM SDN. BHD., PENANG (August 2013 – March 2017)

Software Development Engineer (August 2013 – March 2017)

Job Field : Machine Automation

Responsibility : Develop, deploy and provide aftersales support for industry machine and tester desktop applications written primarily in C# .Net framework.

Contribution :

- 1) Champion the software portion of a machine or tester project.
 - Write the software to control either a machine or tester for LED products.
 - Gather and analyse requirements from either the business department or directly from the customers.
- 2) Travel to the customer site to deploy and power up the machine when necessary.
- 3) Provide aftersales support on new feature requests and fixing issues that affect machine operation.

VOLUNTEER EXPERIENCE

Chairperson for 2018 Motorola Penang Hackathon (May 2018 - December 2018)

Organisation : Motorola Solutions, Penang

Program : Hack @ MSI

Description :

- (I) Organise the first Hackathon in Motorola Penang with good synergy among fellow Hackathon committees.
- (II) Work with senior leadership of the organisation to align event expectation.
- (III) Create a committee structure consists of several functional groups each with a group leader. This is important because all the committee members volunteer for the event and efficiency is crucial to maximise everyone's time.

Project Member of an Innovation Project (September 2020 - Present)

Organisation : Motorola Solutions, Penang

Program : Alpha Project

Description :

- (I) Implements a Proof of Concept (POC) to be presented during Innovation Showcase.
- (II) Major contribution is in the front-end web design and enabling the connection between a radio and a web server via an Ethernet connection.

Volunteer in STEM Outreach Program (27th & 28th March 2018)

Organisation : Tech Dome Penang, Co-sponsored by several Multinational Companies

Program : Women in Zcience (WIZ)

Description :

(I) Conduct a workshop that will spark students' interest in Science and Technology with 3 other team members.

(II) This program targets students from primary school up to the pre-university level.

(III) Title of the workshop conducted is "Introduction to AI through Python Gaming Experience"

EDUCATION

Bachelor's Degree in Engineering (Electrical & Electronic) *Graduation Date: July 2013*

Major : Electronic

Institute/University : Universiti Sains Malaysia (USM), Malaysia

Grade (CGPA) : 3.12/4

Matriculation *Graduation Date: May 2009*

Major : Physics

Institute/University : Kolej Matriculasi Negeri Sembilan, Malaysia

Grade (CGPA) : 3.91/4

Sijil Pelajaran Malaysia (SPM) *Graduation Date: November 2007*

Major : Science

Institute/University : SMK Bukit Mewah, Seremban, Negeri Sembilan

Results : 9 A1, 2 B3

SKILLS

Skill	Proficiency (1-10)
C/C++	8
Python	8
C#	8
JavaScript (Node JS)	8
Test Driven Development (TDD)	8
Git Source Control	7
SOLID Principles	6
Windows OS Internal	6
Virtualization/Container tools (Hyper-V, Docker)	5
Batch/Power Shell/Bash Scripting	5
Linux OS Internal	4
Circuits & Electronics	4
Assembly Language	3

STRENGTHS

- Organised, motivated and trustworthy.
 - Able to lead or be an active team member.
 - Take initiative to learn and willing to accept advices and constructive criticism.
 - Curious and enjoy learning new skills.
 - Analytical.
 - Able to adapt in a new environment quickly.
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