

Muhammad Fahmi bin Jaafar

Full Stack Developer at ExxonMobil

MSc. Microengineering & Nanoelectronics, BSc. Communication Engineering.

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WORKING & FREELANCING EXPERIENCE

FULL STACK DEVELOPER – (NOV 2021-PRESENT)

ExxonMobil, Kuala Lumpur.

- Created CMS web application based on Python (Flask), while utilizing OpenShift and GitHub.
- Integrated automation scripts for AppGate application, built by JavaScript and Python.
- Developed APIs and multi-connections between SNOW, AppGate SDP, DBM and Front-End application using FastAPI, Marshmallow, and SQLAlchemy and React.
- Methodologies: Scrum/Agile.

SENIOR PROGRAMMER – (APRIL 2021 – OCTOBER 2021)

Y.S.P. Industries Sdn. Bhd, TTDI, Kuala Lumpur.

- Manage K2 Projects for system automation
- Developed React Native cross platform mobile application with PHP-built admin management system.
- Fulfilled customized data analysis and dashboard for ecommerce platform based on PHP

IT DEVELOPMENT PROGRAMMER – (JUN 2019 – MARCH 2021)

Y.S.P. Industries Sdn. Bhd, TTDI, Kuala Lumpur.

- Built PHP & LAMP stack based Web Application for inventory and management system
- Integrating JavaScript, ASP.NET, C# and K2 with SQL database for various data automation system
- Developed reporting tools and information dashboard by means of SSRS, d3.js, node.js and html.
- Involved in development of e-commerce website using IIS, on WordPress (WooCommerce).
- Created mobile application for product tracking system, on React Native and Java.
- Methodologies: Waterfall

INSTRUCTOR & WEB DEVELOPER– (2019-PRESENT)

MajalahSains.com, Science4Derp.com & FizikKini.com.

- Managed a few nonprofit websites on Science, Technology, Engineering, and Mathematics knowledge.
- Involved in occasional coding and science camps for students as an instructor.

TEACHING STAFF – (MAY 2019)

Institute of Microengineering and Nanoelectronics(IMEN), Universiti Kebangsaan Malaysia, Bangi, Selangor.

- Provided COMSOL (Computational Fluid Dynamics) & MATLAB software training to postgraduate student

RESEARCH ASSISTANT - (JUNE 2016- JUNE 2019)

Institute of Microengineering and Nanoelectronics(IMEN), Universiti Kebangsaan Malaysia, Bangi, Selangor.

- Developed and simulated filtration membrane to mimic the function of a healthy kidney, on a nanometer scale, by utilizing COMSOL, MATLAB and other MEMS tools.

INTERN PROGRAMMER – (JUNE 2015 – SEPTEMBER 2015)

Telekom Malaysia Berhad, TM, Cyberjaya, Selangor.

- Developed data dashboard software for the information security team.
- Replaced the usage of Microsoft Power Point to provide report by integrating VB.net, JS, html, CSS
- Methodologies: Waterfall

EDUCATIONAL BACKGROUND	
THE NATIONAL UNIVERSITY OF MALAYSIA	
Education Level	Master in Science
Faculty (Major)	Institute of Microengineering and Nanoelectronics (Microengineering and Nanoelectronics)
Research Project	Study on Porous Nanocrystalline Silicon (pnc-Si) Membrane as Filtration Membrane
	<ul style="list-style-type: none">Development and simulation of a filtration membrane to mimic the function of a healthy kidney, on a nanometer scale.Related skills: COMSOL, MATLAB, CorelDraw, Origin, MEMS Fabrication, MEMS Characterization which includes FESEM, AFM, and TEM.
INTERNATIONAL ISLAMIC UNIVERSITY MALAYSIA	
Education Level	First Degree in Engineering (Electronics-Computer and Information)
Faculty (Major)	Kulliyyah of Engineering (Communication Engineering)
Final Year Project	Design of Automated Robust Petrol Pump Control System by Wireless Communication System
	<ul style="list-style-type: none">Developed an automated robust petrol pump system controlled by wireless communication to monitor sales, security and petrol quantity as well as setting the petrol price and purchase limit.Related skills: IoT, HTML, JS, Arduino, C/C++, REST API
SKILLS STACKS	
Front-End: React, HTML, CSS, JavaScript, React Native, Angular	
Back-End: Python, Flask, PHP, Node.js, Express, C#, ASP.Net, Java(Android)	
Databases: MSSQL, MySQL, Firebase, MongoDB	
Version Control & Pipelines: GitHub, GitLab, Azure DevOps, Open Shift	
Data Visualization: K2, SSRS, MATLAB, d3.js	
Tools: Microsoft Office, Visual Code, Visual Studio, SSMS, phpMyAdmin, Postman, Wordpress	
REFERENCES	
MANAGER (Y.S.P. Industries): JERRY LEE IT Department Manager, Y.S.P. Industries Sdn. Bhd. Contact No: +60377276390 Email: leecc@yspsah.com	SUPERVISOR: DR. RHONIRA BT ABDUL LATIF Institute of Microengineering and Nanoelectronics (IMEN), Universiti Kebangsaan Malaysia. Contact No: +60176389684 Email: rhonira@ukm.edu.my