



MUHAMMAD ALIF ZAKWAN BIN MOHD AS'AD

Software Engineering Internship

Highly-driven computer science student with growing knowledge in Blockchain, Web3, Web and Mobile Application, seeking a software engineering internship at Setel.

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WORK EXPERIENCES

Berjaya Krispy Kreme Doughnut Cafe Assistant

March 2019 - May 2019

A cafe company that serve a variety of donuts and coffee

Accomplishments:

- Organizing an event in Management and Science University (MSU), Sunway College, and Taylors University.
- Make a good relationship between co-workers
- Gain the opportunity to experience on donuts manufacturing in their factory

The Third Letter, Bukit Jelutong Barista

August 2020 - October 2020

A well-known cafe in Kalng Valley and serve one of the best italian cuisine in town

Accomplishments:

- Create a great communication skills between the co-worker and the customers.
- Able to learn on how a single-company business conduct their stock, money management and workers welfare.
- Capable of working in hectic environment especially peak hour as a barista and waiter.
- Receive a positive review by customer on Trip Advisor.

Decathlon Sports Advisor, Fitness Department

August 2022 - October 2022

French Sporting goods retailer that specialize in sports equipment, apparels, and accessories

Accomplishments:

- Successfully provided expert guidance to customers on sports equipment and gear, ensuring customer satisfaction.
 - Recognized for exceptional customer service skills, receiving positive feedback from customers and department leader.
 - Consistently achieved and exceeded individual sales targets, contributing to the overall success and profitability of the store.
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PROJECT INVOLVEMENT AND COURSEWORKS

Constructing Smart contract

Final Year Project 2023-2024

Developer

Tools: Solidity, Truffle, Ganache, Metamask, Remix

Led the development of a comprehensive Solidity-based smart contract system for a food supply chain management project. Designed and implemented critical functions including registering food supply chain flows, adding food items for processing, and tracking the progress of food items through the supply chain. Employed advanced tools such as Truffle, Ganache, and MetaMask to ensure seamless integration and enhance the efficiency of blockchain operations.

Poultech-Tracer: Algorand Intersivity Hackathon

Hackathon 2023

Developer

Tools: Python, Pyteal, Javascript, HTML, CSS, Algokit, Sandbox, ReactJS, Algokit, Pera Wallet

Led the development of a sophisticated smart contract system utilizing PyTeal, focusing on halal verification, food supply chain management, and tracking functionalities. This involved crafting intricate PyTeal functions for registering supply chain flows, adding food items, and accurately tracing their progress. Leveraged Algokit for seamless integration and React for frontend development. Demonstrated proficiency in setting up and managing local and test networks using Algorand's Sandbox for rigorous testing and validation

Accomplishments:

- Able to identify the flaw in Algorand's network when synchronising the nodes.
- Provide an extensive business idea behind the projects
- Becoming a Top 3 Finalist in the Algorand Inter-Varsity Hackathon

Network Device Configuration

Coursework 2022

Tools: Ubuntu, VMware, WireShark

Extensive hands-on experience in the configuration and troubleshooting of network devices, including routers and switches. Proficient in utilizing a range of command-line operations in the Ubuntu terminal to execute tasks efficiently and effectively. Utilizing various tools for network protocol using ENSP as a network simulator, VMware for virtualization, and Wireshark for in-depth network protocol analysis.

Insightful : Attendance System

Coursework 2022

Product Manager

Tools: Dart, Flutter, Firebase

Led the development of an employee attendance application utilizing Dart, Flutter, and Firebase for cloud storage. As the project's product manager, I orchestrated the conceptualization and execution, focusing on business model canvas creation, project presentations, and poster design. The culmination of our efforts was presented during the Computer Science Open Day in our faculty, showcasing the innovation to a wide audience

Data Analysis of Machine Learning Analyst

Coursework 2022

Tools: Python, Kaggle

Conducted comprehensive data analysis projects encompassing Maternal Health Risk Data and BMW Car Tier Value. This involved thorough data visualization and accuracy calculations utilizing various machine learning classifiers, including Naive Bayes, Decision Tree, and K-Nearest Neighbor algorithms. While the focus was primarily on data analysis, I also evaluated the performance of these classifiers to derive meaningful insights from the datasets.

Milk Manufacturing System Developer

Coursework 2022

Tools: Java, MySQL, phpMyAdmin

Designed and developed a comprehensive web-based database application system for a Milk Manufacturing System, incorporating critical employee, cow, and dairy product data. This system streamlined data management processes, enabling employees to seamlessly insert, update, and delete information. Utilized PHPMyAdmin for database administration, employed Java within Eclipse IDE for Enterprise Java, and leveraged MySQL for data construction and integration with PHPMyAdmin. Additionally, employed HTML, CSS, and JavaScript for interface development. Implemented normalization techniques on Milk Collection and Milk Sale tables, achieving 2nd Normal Form (2NF) and 3rd Normal Form (3NF) compliance for optimized data integrity and efficiency.

HydroMonitor: Aquaponic System UI/UX Designer

Coursework 2022

Tools: Justinmind

Led the UI/UX design efforts for the HydroMonitor: Aquaponic System, a mobile application aimed at providing simulation-based support for novice aquaculturists in the management of aquaponic tanks. Leveraged Justinmind for comprehensive design implementation, focusing on intuitive user interfaces and seamless user experiences. Ensured the application's design met high standards of usability and accessibility, contributing to its effectiveness in assisting users in aquaponic tank management.

SKILLS AND KNOWLEDGES

PROGRAMMING LANGUAGES



FRAMEWORKS & SOFTWARES



Truffle



Flutter



NodeJS



EthersJS



Remix



Web3JS



Ganache



VMware



ReactJS



Metamask

EDUCATIONAL BACKGROUND

University Putra Malaysia (UPM) Bachelor of Computer Science (Computer Network) with Honours	2020-2024 (Expected)
Centre of Foundation Studies, Universiti Teknologi Mara (UITM) Foundation of Engineering	2019-2020
Sekolah Menengah Sains Tuanku Munawir (SASER) Pure Science	2017-2018

EXTRACURRICULAR

Summer Outreach: Career Program Delivering a speech to students about career path as an alumni	2023
Tourist Guide Course TVET Licences Sitting an interview and examinations to obtain the licence of tourist guide	2023
Permata Model United Nations Conference (PERMUN) International Convened with other delegates from numerous countries to solve world problem	2018
Berjaya Teen Star Challenge National Compete with other participants in singing competition	2018

REFERENCES

Dr. Normalia Binti Samian
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