

# AZFAR ALSUKOR AZNIRULHISHAM

Software Developer

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in Azfar Alsukor

## WHO AM I?

Tech enthusiast. Believes in open source projects. A team player, out-of-the-box thinker, a minimalist. Writes efficient, neat and tight with well designed architecture codes and prefers spaces over tabs.

## SKILLS

|                              |  |
|------------------------------|--|
| Web Development              |  |
| Mobile Development (Flutter) |  |
| UNIX Scripting               |  |
| Version Control (git)        |  |
| Internet of Things           |  |

## EXPERIENCES

April 2017 —

### Software Engineer

Dattel Sdn. Bhd.

Dattel Sdn. Bhd. is a data collection and analyzing provider that maximizes information technology to conduct surveys across respondents and panelists. The company established an in-house engineering team to cater its own unique business strategy and embraces agile methodology in software development life cycle.

#### SURVEY MANAGEMENT SYSTEM & QUALITY ASSURANCE SYSTEM

Develops new module and functions as per requirement.

- Partnered with system analysts, product owners and test engineers to deliver high quality modules and functions.
- Created RESTful APIs with MVC Pattern best practices
- Created script to automate tiresome jobs
- Aggressively adopts *Language Integrated Query* (LINQ) onto codes to reduce code size and increase readability
- Designed user-friendly pages with HTML, CSS, JQuery, AJAX and JavaScript
- MySQL with ORM

Telerik UI / CRADT / .NET / C# / MySQL

#### ENTRANCE SNAPSHOT

Takes a snapshot when there's moving person in targeted area. The picture taken was published by Raspberry Pi and captured by server using MQTT. The pictures later helped to train deep learning classifier to distinguish the moving persons whether they are men or women.

- Designed the architecture for the entire ecosystem
- Detects moving person using image processing background subtraction technique
- Established a lightweight connection between Raspberry Pi to server

OpenCV / Python / MQTT / Raspberry Pi / PiCamera

#### QUESTION BUILDER

Short term involvement to enhance the scalability and improve UI/UX.

- Improved API logic flow and increased speed by 7 times (50 seconds to 7 seconds)
- Wrote testing script to compare several endpoints after refactoring the API
- Paginated big web page to reduce render cost
- Amended UI/UX design to further express functionalities, to give feedback and denote users are in which state of the application

AngularJS / CRADT / .NET / C#

#### STATISTICAL ANALYSIS PLATFORM

The front line product of Dattel Sdn. Bhd.

- Designed and developed user profile API controller using MVC pattern
- Created user profile page from design blueprint
- Designed web pages using Material Design guideline
- Apply Redux to manage states between components
- Developed endpoints using MongoDB with asynchronous programming

ReactJS / Redux / .NET / C# / Entity Framework / MySQL / MongoDB

|                             |  |                           |
|-----------------------------|--|---------------------------|
| March - June 2016<br>intern | <b>Software Engineer</b><br>Juris Technologies is a Malaysian financial technology company that serves most major banks in Malaysia.   | <b>Juris Technologies</b> |
|                             | <b>DEBT COLLECTION SYSTEM</b><br>One of the team members for post-development period support for debt collection system. <ul style="list-style-type: none"> <li>Responsible to deliver high quality, bug-free module to deliver to client</li> <li>Implemented good practices to avoid SQL injection</li> <li>Writes clean, readable and optimum procedural language using PL/SQL</li> <li>Started a testing project for internal use before going through UAT process</li> </ul> Zend / PHP / ADODB / Oracle PL/SQL |                           |

## EDUCATIONAL BACKGROUND

|               |   |                              |
|---------------|---|------------------------------|
| Class of 2017 | <b>Bachelor's Degree</b><br>BSc (Hons) of Computer Science. CGPA: 3.24<br>Final Year Project: <i>Driving Speed and Distance Computation using On-board Image Processing for Galileo Board</i><br>OpenCV / C++ / Intel Galileo | <b>Multimedia University</b> |
| 2011          | <b>Certificate of ICCS (International Certificate of Computer Studies)</b><br>Visual Basic  | <b>Ma'had Al-Zaytun</b>      |
| 2008          | <b>Certificate of ICDL (International Computer Driving License)</b><br>Microsoft Office   | <b>Ma'had Al-Zaytun</b>      |

## ACHIEVEMENT

|      |  |              |
|------|--|--------------|
| 2017 | <b>Winner of MAMPU Open Data Hackathon 2017</b><br>An Android-based application that provides information for RapidKL's LRTs and buses arrival/ departure times. Information displayed are based on MAMPU's data, RapidKL's Twitter account and crowd source to increase the accuracy.<br>Android / Firebase | <b>MAGIC</b> |
|------|--|--------------|

## PROJECTS

|      |  |                                |
|------|--|--------------------------------|
| 2019 | <b>iQR</b><br>An app that creates QR code with reader for iOS and Android.<br>Flutter / Dart   | <b>Dattel Sdn. Bhd.</b>        |
| 2017 | <b>Find Out Yourself</b><br>A trial and error puzzle where one needs to flip switches, toggle buttons and attach/detach power sockets before the city runs out of electricity.<br>Unity / C# | <b>Zap Zap Math</b>            |
| 2017 | <b>See You Again</b><br>A 3D memory game where one needs to find a person again after meeting him/her. Designed the model using basic shapes provided by Unity.<br>Unity / C#                | <b>Multimedia University</b>   |
| 2016 | <b>Oath</b><br>A 2D game about a man saving the love of his life. Created from scratch and responsible for the game logic.<br>Unity / C#   | <b>Asia Pacific University</b> |
| 2016 | <b>Jat</b><br>Self testing system that automates every combination for a web application and reports the result depending on the priority.<br>PHPUnit / Selenium Webdriver                   | <b>Juris Technologies</b>      |
| 2012 | <b>e-lection</b><br>A Windows-based application designed to boost the voting process of student body president.<br>Visual Basic  | <b>Ma'had Al-Zaytun</b>        |

## LANGUAGES

**Malay** - native  
**English** - professional working proficiency  
**Bahasa Indonesia** - professional working proficiency  
**Mandarin** - limited working proficiency  
**Arabic** - elementary proficiency

## HOBBIES

Playing guitar, reading, playing video games, photography, listening to music, futsal, badminton and slumber experimentation.

## REFERENCES

**Muhammad Norzariman**  
Senior Developer  
Dattel Sdn. Bhd  
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