

Azrul Azmi

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GitHub: <https://github.com/azrulwm/> | Portfolio website: <https://azrulwm.github.io/portfolio-vue/>

Work Experience

MySoalan Technologies	<i>Front-end Software Developer</i>	November 2022 - Current
<ul style="list-style-type: none"> Utilized TypeScript extensively for both front-end and back-end development, significantly enhancing my coding proficiency and productivity Developed various new features for MySoalan platform and created new web applications (www.manglish.co and www.tenseapp.com) using modern front-end frameworks, including Vue.js, Tailwind CSS, and SCSS Translated multiple designs from Figma into fully functional web applications Acquired proficiency in back-end frameworks (Nest.js), along with PostgreSQL as the database and TypeORM for efficient database management and integration Gained proficiency in utilizing essential tools like Docker, Insomnia, and Postico for backend development, facilitating efficient workflow and seamless integration processes Acquired ability to comprehend and navigate through large-scale existing MySoalan codebases, successfully making relevant modifications and improvements to introduce new features in web application Created API endpoints in the back-end and effectively making API calls from front-end applications to retrieve and process data ensuring the display of correct and relevant information to users Utilized Mixpanel analytics to track and analyze key user data, enhancing the understanding of user journeys, optimizing marketing funnels, and driving increased sales conversions Collaborated with an external digital education company, SnappEd, integrating their web application with MySoalan platform, expanding the scope of functionality for both web application Showcased independent work capabilities by continuously meeting deadlines in a fast-paced start-up company, adapting to Agile methodologies and maintaining effective communication while working remotely 		
Self-educated software programmer		June 2022 - Current
<ul style="list-style-type: none"> Created a simple full-stack web application (book review) using HTML, CSS, JS, Node.js, Express.js and SQL database and deployed it in Heroku Created multiple CRUD web applications using basic JS and React.js Deployed a static website (portfolio) hosted on GitHub Created simple web application and games for browser such as 'Iphone Calculator', 'Pig Game' and 'Guess My Numbers' to showcase an understanding of DOM and JS 		
Applied Agricultural Resource (AAR)	<i>Assistant Research Officer (Agronomist)</i>	April 2019 - June 2022
<ul style="list-style-type: none"> Started a new trial with a colleague on frond snapping incidences on oil palm plantation. Collaborated with GPS/GIS department to incorporate automated sensors (pH, moisture and field water table) for data collection. Leading the Drainage Improvement Project under close supervision of Director of Research. Explored alternative hydrological data analysis using QGIS. Working closely with AAR's principal to automate the piezometer data collection using LoRa Protocol Conducted desktop studies on several lands on the market for AAR's principal company. Reported on the land suitability and potential for future projects. Analysed data using QGIS and presented the findings that impacted the decision made by the Board of Directors on the land purchase 		
CSBP Limited	<i>Data Gatherer</i>	May 2018 - September 2018
<ul style="list-style-type: none"> Operated 3 different spectrophotometers (worth AUD100,000, 35,000 and 7,000 respectively) on several crops (i.e., wheat, canola, barley) in the wheatbelt region (WA). Frequent overnight travels. Owns WA driving license Gathered feedbacks from farmers on the beta apps and prototype device. Represented 6 other Data Gatherers in the project meeting with CSBP management to communicate the feedbacks. One out of the only two Data Gatherers to work with Kalyx Australia for smaller trial plots in addition to the field 		

School of Biological Sciences UWA *Research Assistant (Ecophysiology lab)* March 2017 - July 2018

- Initiated a research project on the p-acquisition method of *Xylomelum* genus. Operated hydroponic setup for several native species (Proteaceae family). Obtained research permits from DPaW/local councils. Co-author in a research paper published in July 2020 (<http://dx.doi.org/10.1111/1365-2745.13468>)

Education

University of Western Australia June 2013 - July 2016

Bachelor of Science. Majors (i) Agricultural Science (ii) Natural Resource Management. Coursework included agricultural system, effective scientific communication, soil science, environmental science and environmental economics

Additional Information

Technical skills

- Programming Tools - VS Code, Dockers, Insomnia, Postico, Postman, GitHub, Figma
- Other - MS Office, QGIS, Drone Deploy. Basic statistical analysis. Proficient in English (IELTS Band 7.5)

Sports Club (President), Applied Agricultural Resources (AAR) Current

- Representing the interests of over 600 employees to the company's Board of Directors for two consecutive years. Planned annual extracurricular events for employees. Working within a budget of RM250,000. Proposed the first team building program which included all employees and getting approved by the Director.

College Batch (President), MARA College Seremban May 2011 – May 2013

- Lead a batch of 167 students. Communicated the interests of students to the college management. Conducted a science fair which have a participation of more than 500 people. Leadership performance helped secure the Scholarship for Undergraduate Degree Abroad

Awards

- | | |
|---|--------------------|
| • MARA (Malaysian Government) Scholarship for Undergraduate Degree Abroad | 2013 – 2016 |
| • MARA (Malaysian Government) Scholarship for International Baccalaureate Diploma | 2011 - 2013 |
| • Best presenter in an academic communication unit | 2015 |

Referees

Professional referees

Mr Adri Johari
Co-Founder,
Emporis SOHO, Persiaran Surian, Kota Damansara,
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Mr Muhamad Ezwan Abdul Razak
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Character referee

Dr Mohd Fairuz Shiratuddin
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**THE UNIVERSITY OF
WESTERN AUSTRALIA**

Achieve International Excellence

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17 May 2018

To whom this may concern

This is to certify that Wan Muhammad Azrul WAN AZMI is an employee of University of Western Australia (UWA) and currently working as a Research Assistant from 15/03/2017 until now.

Wan Muhammad Azrul WAN AZMI's main duties are described as below:

- Discussing and providing input into the planning and design for experiments.
- Running experimental trial in the UWA Plant Growth Facilities.
- Making nutrient solution and changing these for plants grown in hydroponics in the glasshouse.
- Obtaining research permits from government bodies such as Department of Biodiversity, Conservation and Attractions).
- Communicating with various local councils to obtain permission before entering land reserves.
- Processing samples collected from the field and preparing samples for laboratory analysis.
- Undertaking laboratory analysis such as acid digestion for ICP analysis, Resin P analysis and quantitative analysis of Phosphorus concentration using Spectrophotometer.
- Ensuring laboratory and field equipment adequately maintained during experimental period.
- Providing assistance to Honours and PhD students in the research group.
- Running data analysis and discussing the results and findings with supervisor.
- Writing a research paper for publication.

Wan Muhammad Azrul WAN AZMI graduated with a Bachelor of Science (majoring in Agricultural Science and Natural Resource Management). His background in Agricultural Science helped him perform the research project to the high standard required by UWA. He quickly adopted the techniques and procedures employed by his research group. Furthermore, he also demonstrated that he could work alone as an individual and also as a part of the group.

Sincerely,

Hans Lambers

<http://www.web.uwa.edu.au/person/Hans.Lambers>

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To whom it may concern,

Wan Muhammad Azrul Bin Wan Azmi was employed by CSBP Fertilisers from the 18th of May 2018 through to the 14th of September 2018. I was his manager for the duration of this time.

While working with CSBP, Azrul was reporting directly to me. He was employed to perform unsupervised field work that involved travel to regional locations. The nature of this field work included for the acquisition of spectral data using various Near Infrared Spectrometer devices and corresponding samples of plant material. I found him to be able to work well unsupervised or also as part of a team. He is hard working individual with the attention to detail necessary for accomplishing this task. I would recommend him to other potential employers.

Doug Hamilton
Agricultural GIS Specialist
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Dr Penny Hawken

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21st February 2017

To whom it may concern,

I had the pleasure of teaching Azrul Azmi in the units English Language and Academic Communication I and II during semester 1 and 2 of 2014. Azrul is an outstanding student who ranks in the top 5% of undergraduate students that I have taught in these units, both in terms of his written work and oral presentations. It was clear early in semester that Azrul was an exceptional student, due to his dedication to his studies, and exceptional work ethic. He always asked questions when he needed clarification, and took on board all of the advice and information given through these units. He has outstanding presentation skills that rival those of many postgraduate students and graduates that I have taught and/or observed.

I wish Azrul all the best for the future and am excited to see where his future career will take him. If you require any further information about Azrul, please do not hesitate to contact me.

Yours sincerely,

Dr Penny Hawken