WAN ZULSARHAN WAN SHAARI

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Nationality : Malaysia
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                   20050, Kuala Terengganu, Terengganu

OBJECTIVE

Seeking for Web Developer position at Mysoftcare that will utilize my technical skills and experiences.

EDUCATION

BS Software Engineering - Iowa State University
August 2013 - December 2016
- CGPA : 3.56 / 4.00
- College of Science and Engineering Dean's List Award
  - Fall 2013, Spring 2014, Fall 2015, Spring 2016

EXPERIENCES

Web Developer at Westports Malaysia Sdn Bhd
February 2017 - Present
Developed and maintained various internal web application for the port operation such as Yard Planning and Container Planning application. The web application mainly developed using plain PHP and Wordpress framework. Besides, I also involved in project to integrate existing application with new Terminal Operation System which is mainly build on Oracle database.

Co-Founder / Web Developer at InnovaSeeds Solutions (Startup)
May 2016 - Present
Built a web application with React, Redux, GraphQL and NodeJS called Seeds Job Fair. The application is a virtual career fair platform where students can meet and have video call session with recruiters from various hiring company.
- **Project website :** seedsjobfair.com

Built a web application using AngularJS and NodeJS called DropBug. This application is a platform to facilitate small and medium enterprises (SME) in handling inventory and transaction efficiently. It also serve as a platform to gather the community of people who are involved in SME.
- **Project website :** dropbug-seeds.com

Webmaster at International Student Council
Iowa State University — August 2016 - Present
Maintaining and upgrading the organization's official website as well as helping promotional work together with Public Relation Committee.
- **Official website:** isc.stuorg.iastate.edu

Undergraduate Programmer at Schnable Laboratory at the Plant Sciences Institute

Iowa State University — Jan 2016 - August 2016

Designed an Automated Imaging System to facilitate the research of plant growth at the laboratory. This system consist of up to hundreds Raspberry Pi and each of them have four camera running on it. The whole system is managed by a single Raspberry Pi that act as the main server which store images and data transferred from other Raspberry Pi. In Summer 2016, I went to crop fields in Kansas and Nebraska to deploy the system and stay for a week to make sure it works as intended.

- **Project website :** zulsarhan-portfolio.000webhostapp.com/schnable/index.html

Webmaster for Senior Design Project

Iowa State University — August 2015 - May 2016

Our senior design project is trying to solve a problem due to the tools used in the ECPE machine shop often get missing. We created a system called Automated Tool Monitoring System which make used of Raspberry Pi, NI myRIO, and webcam to secure and track down the tools borrowed by students.

- **Project website** : may1631.sd.ece.iastate.edu

Multimedia and Technical Leader at Malay Heritage Club

Iowa State University — August 2015 - May 2016

Developed and maintained club's official website as well as created posters and videos to promote the club's events

- **Official website:** mahec-isu.wixsite.com/mahec-isu

Promotion Director for Temasya Jaguh Malaysia 2015

Iowa State University — March 2015

Temasya Jaguh Malaysia is an annual sport carnival held by Malaysian students studying in the United States to bring the Malaysian community around the Midwest region together through love of sports. As the Promotion Director, I lead a team of five to create promotional materials for the event including website, posters, and videos. The Temasya Jaguh Malaysia 2015 had recorded the highest number of participants ever since its first establishment.

- **Event website:** tjmisu2015.wixsite.com/tjm-isu-2015

SKILLS

- **Programming Languages**
  - Java, JavaScript, C++, C, C#, Python, PHP, HTML, CSS

- **Frameworks and Libraries**
  - React, Redux, Node JS, GraphQL, Babel, Socket IO, Wordpress, AngularJS, Laravel, Ionic, Android Development, jQuery

- **Familiar Environment**
  - Linux Terminal, Raspberry Pi's Raspbian, Windows, Amazon Web Service

- **Databases**
  - MySQL, Oracle

- **Version Control**
  - Github

- **Design and Multimedia**
  - Adobe Photoshop, Adobe Illustrator, Sony Vegas Pro, Adobe After Effect

RELEVANT COURSES

Object-oriented Programming (Java)

Digital Logic

Computer Architecture and Machine-Level Programming

Principles of Programming Language

Software Development Practices

Software Construction and User Interfaces

Senior Design Project and Professionalism.

Data Structures (Java)

Design and Analysis of Algorithms

Advanced Programming Techniques

Database Management Systems

Software Project Management

Software Architecture and Design

Android Programming (Java)

LANGUAGES

- **Malay -** Native
- **English -** Proficient
- **Arabic -** Beginner

REFERENCES

Dr Srikant Srinivasan

Data Scientist / Assistant Scientist III / Adjunct Assistant Professor at Schnable Laboratory at the Plant Sciences Institute, Iowa State University

- **Relation :** Supervisor
- **Email** : srikant@iastate.edu

Nurul Hannah Ahmad Ridzuan

Vice President of International Student Council, Iowa State University

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