

Ariff Azraai Roslan

Malaysian, 23 years old — ariff.azraai@gmail.com

A technical leader of over 4 years experiences in computing and intelligence systems. Agile and flexible professional with field experiences ranging from startup engagements to corporate environments. Adept at managing projects within deadline and budget.

Education

Universiti Teknologi Malaysia, Skudai, Johor

September 2011 - July 2015

BEng. in Electrical Engineering (Mechatronics)

- Courses included Control Engineering, Engineering Management, Critical Thinking, and Science, Technology & Mankind.
- Undergraduate Project: Mobile Robot Navigation With Planned Path Using Internal Sensors
- GPA: 3.29 / 4.00

Employment Experiences

Sands Consulting Sdn Bhd, Bangi, Selangor

March 2015 - present

Senior Software Engineer

- Develops bespoke solutions for customer needs & requirements.
- Facilitates project requirement study for clients to match in house or partner products.
- Involves in project development, system integration, and manage in house product development related to Knowledge Management and Customer Resolution niche.

Jaringan Data Sdn Bhd, Subang Jaya, Selangor

July 2012 - January 2015

Technical Consultant

- Provided technical and programming expertise to develop clients' software requirements.
- Worked tightly with consultants from Sands Consulting Sdn Bhd and Formis Network Services Sdn Bhd.
- Secured two new proof of concepts project with Royal Malaysian Airforce.

Dyna Segmen Sdn Bhd / Consurv Technic Sdn Bhd, Ampang, Selangor

June 2014 - September 2014

Internship

- Trainee project engineer for Cross Country Pipeline Corrosion Control at BHP North Port Installation, Port Klang. Oversaw project schedule, manpower, equipments and materials. Project finished 2 weeks ahead of schedule and 18% below projected budget.
- Lead the procurement team of 4 people for Petronas Carigali High Performance Computing for Seismic Analysis tender submission. Initiated a partnership between IBM Malaysia Sdn Bhd and Paradigm Geophysical Sdn Bhd. The partnership submitted the tender as a consortium.

Slashes & Dots Sdn Bhd, Mid Valley City, Kuala Lumpur

June 2011 - August 2011

Internship

- Developed one click remote installation system for JomSocial.
- Improved customer checkout and on boarding process with guidance from marketing team.
- Reduced the number of post sales support tickets.

Bitfluent Sdn Bhd, Kelana Jaya, Selangor

December 2009 - April 2010

Internship

- Assisted Engineering Director for various company projects and clients engineering process in programming role.
- Refactored and upgraded 3D video programming administration and backend system. Improves overall workflow efficiency from legacy platform.

Technical Engagements

CAREsys Workflow and Product Enhancements

August 2015 - present

Client: Malaysia Airports Berhad

- Functional lead for live customer chat system integration.
- Migrated live chat system from Rails Web Framework to Laravel Web Framework.
- Integrate live chat system into customer service ticketing system providing a unified and singular platform for customer service agent at airports throughout Malaysia.
- Reduced number of servers within current infrastructure from 6 to 4 with better software and platform architecture.

Fusion - Product Development**March 2015 - present**

Internal product for Sands Consulting Sdn Bhd

- Manages product requirements and milestones.
- Upgraded and merged three distinct code bases into a single repository which resulted into a single product deployment and provision.
- Expanded client base into banking sector.

Online Tender Portal 2.0**March 2015 - June 2015**

Client: Selangor State Government

- Lead team of 4 software engineers in developing new Online Tender Portal for Selangor State Government.
- Development scopes including web application, mobile application and payment gateway integration.
- Worked closely with Bahagian Teknologi Maklumat of Selangor State Government, Retail Payment Division of Malaysian Electronic Clearing Corporation Sdn Bhd (MyClear) and Global Banking & Transactions at Malayan Banking Berhad (Maybank).
- Integration with Unit Perancang Ekonomi Negeri (UPEN) for vendor registration and reduce the amount of non compliance vendor registration from 2% to 0%.
- First multi recipients retail payment system in government sector and removes the need for Selangor State Treasury for revenue disbursement at the end of month.
- Intelligence tender purchasing system based of MOF and CIDB field codes and reduce the amount of refunds from 1.2% to 0.08% of total monthly transactions.
- Introduced Maybank eBPG Credit Card and MyClear Financial Process Exchange payment gateway. Allows vendor companies a variety of payment options and remove the need for tender document purchase over the counter.

Bank Rakyat Digital Library Project**June 2015**

Client: Yayasan Bank Rakyat

- Deployment of Fusion, a digital library software solution and integration with SirsiDynix Symphony.
- Provision of internal and external network access & routing and Domain Name System (DNS).
- Reduced the number of multiple library systems' search into a single access gateway search.
- Reduced the storage complexities and enable single access to digital copies of publications and business documents.

Library & e-university Integration & GST Compliance Project**December 2014 - January 2015**

Client: International Center for Education in Islamic Finance

- Integrate library IT services with INCEIF's e-university system resulted into a singular and unified authentication workflow.
- Provided technical consultancy for GST compliance for existing library subscription system.
- Refactored online subscription system module to comply with Royal Customs Department GST specification.
- Worked closely with INCEIF's Finance Department and Cards Technology Department of Maybank.

DobiJahit**August 2014 - September 2014**

Client: Jugra Air Force Base, Royal Malaysia Air Force (RMAF)

- Developed a proof of concept service order system for laundry and tailoring within air force base.
- Enabled air force base vendors to estimate workloads.
- Reduced wastage and over payments by ensuring orders are matched with personnel inventories.
- Deployed at Air Operation Headquarters as a trial run for other types of service.

Life Item Alert System**February 2014 - April 2014**

Client: Air Support Headquarters, Royal Malaysian Air Force (RMAF)

- Developed a proof of concept of materials and inventories shelf lives tracking system.
- Enabled a structured procedures for item disposals and expiries by air force personnels. Shifted workflow from Microsoft Excel spreadsheets to emails and management dashboard.
- Reduced materials wastage by 30% due to ability to project expiry date.
- Deployed to another 12 RMAF material units and warehouses.

Animal Quarantine System**January 2014 - March 2014**

Client: Department of Veterinary Services

- Developed a monitoring and scheduling system for animal quarantine at Malaysia borders and entry check points.
- Reduced complexity and human intervention in quarantine scheduling by introducing standard procedure and charter across all quarantine centres.
- Ensured readiness and reduced over crowding at quarantine centres resulted from standard scheduling procedures.
- Pioneered audit trail for diseases outbreak investigation with ability to identify animals entry and point of origin.

CAREsys Development & Integration Project

April 2013 - July 2013

Client: Malaysian Airports Berhad

- Developed a live chat system for customer service agent within a hybrid networking infrastructure (DMZ and intranet).
- Integration with Malaysia Airports Berhad's Active Directory to provide a unified authentication data point.
- Integration with Exact Synergy CRM platform to provide a seamless user experience for service agents.
- Reduced the response time for general inquiries from 14 days via email to 15 minutes with live chat.

Library Subscription & Digital Library System

August 2012 - September 2013

Client: International Center for Education in Islamic Finance

- Developed a custom-build Library Subscription System with the online payment ability.
- Integration with INCEIF library management system to provide unified browsing experience across libraries' IT assets.
- Provisioned and deployed of Central Authentication Server as a Single Sign On service in providing unified browsing experience.
- Enabled INCEIF Knowledge Management Center to become a revenue generating unit with minimum revenue of RM30,000/year.

Invited Engagements

Expert Panel, Technical Scaling Clinic

September 2015

MAGIC Academy 2015, Cyberjaya

Interview Panel, ALPS Program

January 2015 - present

Malaysian Global Innovation & Creativity Centre

Speaker, JOMWEB Tech Sharing

September 2014

GREAT 2014, Cyberjaya

Honors & Awards

1st Place Winner

March 2015

Emirates Travel Hackathon, Singapore

Biasiswa Program Ijazah Dalam Negara (PIDN)

June 2010

Public Service Department of Malaysia

Best Student & SPM Top Scorer

March 2009

Sekolah Menengah Kebangsaan USJ 4

Skills

- Proficient with C, C++, ASM, Python, Ruby and Java programming languages
- Solid understanding on web technologies - HTML, CSS, JavaScript which include modern framework such as ember.js and AngularJS
- Experience in setup and maintain high availability web services stack which includes Linux (mainly Debian), nginx web server, MySQL database
- Familiar with AVR ATMEL and Freescale Freedom micro controller and RaspberryPi embedded computer
- Speak and write in Bahasa Melayu and English

Reference will be provided upon request