

## 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.

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### 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

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### 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.

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### 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.

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## Invited Engagements

### Expert Panel, Technical Scaling Clinic

September 2015

MAGIC Academy 2015, Cyberjaya

### Interview Panel, ALPS Program

June 2010

Malaysian Global Innovation & Creativity Centre

### Speaker, JOMWEB Tech Sharing

September 2014

GREAT 2014, Cyberjaya

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## 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

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## 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*