

# Ariff Azman

Remote



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<https://opariffazman.github.io/>

## Summary

An experienced software engineer with multiple skills throughout my career from various industries and open source community.

## Experience



### Senior Backend Engineer & DevOps Automation Specialist

Ammobox Studios

Sep 2022 - Present (1 year 1 month)

- ◉ NodeJS API Development (Azure Functions & AWS Lambda)
  - › Designed & developed various backend functionalities for multiple in-house multiplayer video games (serverless functions)
  - › Integrated API with Azure PlayFab & AWS Gamelift platform
  - › Utilized JSDoc for ensuring structured semi type safe codebase with automated API Documentations
  - › Refactored legacy API codebase and maintained to meet specific requirements and standard of hosting platform
- ◉ Teamcity & Jenkins CI/CD
  - › Adapted old Jenkins pipeline to TeamCity counterparts with improvements in performance and code maintainability
  - › Automated 100% of multiple in-house video games (Unreal Engine 5) production pipeline process
  - › Developed build configurations for multiple platforms (Android, Windows) that includes entire games building & deployment process to multiple stores (Steam, Epic Games Store)
- ◉ Virtualization & Containerization
  - › Built & maintained on-prem virtual machines (Hyper-V) as Unreal Engine 5 build agents
  - › Built & host docker images for various in-house applications (NodeJS health check & game specific functions)
- ◉ Cloud Platforms
  - › Experienced on managing selected services in Microsoft Azure, Amazon AWS & GCP
- ◉ Tools Development
  - › Developed in-house application for managing AWS Gamelift resources for multiple unique AWS accounts



### System Engineer

PayNet (Payments Network Malaysia)

Jun 2022 - Sep 2022 (4 months)

- ◉ Ansible

- › Developed virtual machine hardening automation for specific purposes on-prem

## **Information Technology Engineer**

ExxonMobil

Sep 2021 - Jun 2022 (10 months)

Contracted From DISYS

- ◉ Content Management (PowerShell & SharePoint REST API)
  - › Automated 100% of Old & Orphaned Business Contents Cleanup
  - › Documented flow chart process allowing for easy knowledge transfer
- ◉ API Development & Migration (Azure APIM & MuleSoft Anypoint)
  - › Involved in migration from cloud (CloudHub) to on-premise (OpenShift) environment
  - › Rebuild API with MuleSoft and hosted using Azure APIM with API Proxy for external applications usage
  - › Documented detailed step of API usage for end users & API owners
  - › Automated 99% of roles assigning for client applications (Azure AD Authentication)
- ◉ Azure DevOps CI/CD
  - › Hands on experience using CI/CD pipelines for API deployment and releases
  - › Automated 100% of API testing with Postman included inside CI



## **Infrastructure Engineer**

PETRONAS Digital Sdn Bhd

Oct 2018 - Sep 2021 (3 years)

Operations & Infra Support Services (VMWare & Wintel)

- ◉ VMWare
  - › Automated 100% of Daily Infrastructure Health-Check Process (VMWare vSphere vCenter)
  - › Automated 95% of Virtual Machines Provisioning and Hardening Process using PowerCLI (Admin controlled Semi-CMP)
  - › Automated 99% of Disaster Recovery Process for Hypervisor layer including ESXi Hosts, Storage LUNs and Virtual Machines (EMC RPA & SQL Always On)
  - › Developed custom PowerCLI functions to manage Daily Infrastructure Operations such as deletion, retrieval and amendment to bulk items increasing productivity by 90%.
  - › Designed a Real-Time Dynamic Dashboard to monitor infrastructure capacity and utilization for all sites increasing efficiency by 70%.
  - › Developed a Powershell script which utilize RVTools to retrieve and consolidate a master inventory file from all available sites reducing human intervention by 90%.
  - › Developed a PowerShell script which utilize VMWare vSphere API to retrieve and rewrite multiple ESXi hosts' files increasing productivity by 90%, reducing human error by 100% and downtime avoidance by 100%.
  - › Consolidated and centralized 95% of Virtual Machine Templates & ISO Images to dedicated repositories accessible from all available sites.
  - › Managed company's computing master inventory including virtual machines, ESXi hosts, Datastores, Virtual Networks etc.
- ◉ Wintel
  - › Created Windows Servers Templates in accordance to follow cyber security guidelines and policy.

- › Provisioned Windows Server to ensure readiness and optimal specification for Disaster Recovery requirements.
- › Optimized Windows Hardening Process including Domain Registration for new Servers, Disk Initialization/Formatting
- › Optimized Windows OS Virtual Machine Templates' footprint size for all site by 90% to shorten time taken for provisioning by 80%.
- › Involved in Windows Server troubleshooting for various virtual components (virtual network, virtual/physical disk vmtools, vCpu & vRam allocation etc.) including os & data backu



## **Programmer**

**Golden Screen Cinemas**

Aug 2018 - Oct 2018 (3 months)

- ◉ EASI Ticketing Sdn. Bhd. (Cinema, F&B Retail Solution, POS System)
- › Responsible for cinema ticketing system. (.NET)



## **Research Assistant**

**Universiti Tenaga Nasional**

Jun 2017 - Nov 2017 (6 months)

- ◉ Research and Development (ASP.NET MVC)
- › Gathered requirements specifications for a new system
- › Implemented 40% of the functional and non-functional requirements
- › Integrated 50% of the new system with existing systems



## **IT Trainee**

**TNB-IT Sdn Bhd**

Oct 2016 - Mar 2017 (6 months)

- ◉ Industrial Training
- › Proposed and successfully documented a Software Requirement Specification (SRS) of a new attendance system
- › Involved with User Acceptance Testing on TNB's Mobile Application providing constructive feedback
- › Programmed an AutoHotkey Script to automate simple Data-Entry Process increasing work efficiency by 80%

## **Education**



### **Royal Military College (Maktab Tentera Diraja)**

Malaysian Certificate of Education, Science and Mathematics

2011 - 2012

Alpha Company

Under full scholarship from Malaysian Ministry of Defence



## **Universiti Tenaga Nasional**

## Bachelor of Computer Science, Computer Software Engineering

2014 - 2017

- › Second Runner Up for Pro-C Programming Competition (2015)
- › Participant for Certified Professional Requirements Engineering (2015)
- › Secretary for Global Outreach Program to Tokyo (2016)
- › Gold Award for ICT Research Competition (2017)
- › Dean's List Honor (2014 – 2016)

Under full scholarship from Yayasan Tenaga Nasional

## Licenses & Certifications



**Basic Military Training** - Royal Military College, Malaysia (RMC) - Maktab Tentera DiRaja



**ITIL Foundation Level** - PeopleCert



**Microsoft Certified: Azure Fundamentals** - Microsoft

## Skills

VMware • VMWare ESXi • VMware vSphere • VMware Infrastructure • VMware vCenter • Windows Server • Windows • Microsoft Azure • Powershell

## Honors & Awards



### Performance Appraisal Exceeded Expectation

Jan 2019

First runner up out of 6-point scale appraisal rating.



### Performance Appraisal Exceeded Expectation

Jan 2020

First runner up out of 6-point scale appraisal rating.