

# AHMAD FERDAUS ABD RAZAK

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**Cloud / DevOps Architecture & Engineering** Over 11 years of experience in designing, developing, securing, and maintaining cloud infrastructure, applications, web services, pipelines, and automations. Highly motivated to achieve the best results in team-oriented and independent environments. Always interested to pursue new challenges, learn new technologies, and drive growth.

## PORTFOLIO

LinkedIn

GitLab

PyPI

AWS Community

Past Certifications

*ahmadferdausabdrzak*

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## SKILLS

AWS

GCP

Azure

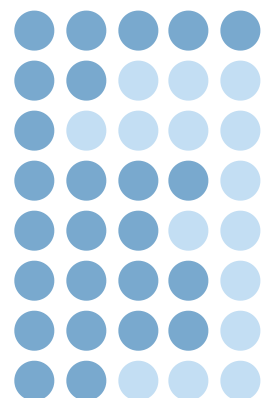
Terraform / CloudFormation

CI/CD

Python

Shell Scripting

Containerization



## LATEST PROJECT HIGHLIGHTS

### **AWS Landing Zone Management**

Managing company-wide AWS landing zone configurations, including account and access management, security controls, and network configurations.

### **AWS AFT Enablement**

Designing the AWS Account Factory for Terraform (AFT) and associated pipeline automations to manage organization-wide account creation and management.

### **Google Services Configuration**

Designed and configured Google Services infrastructure for company-wide use, including project structure and access to Google Cloud Platform (GCP).

### **AWS Managed Services Security**

Designing and implementing security controls around AWS managed services.

### **AWS Cost Optimization**

Developing analysis and reporting strategies to reduce underutilized AWS resources.

### **Lifecycle Event Automation**

Designed event-driven automations and process to preempt resource expiration using lifecycle event data from cloud providers.

### **AWS Shared VPC**

Designed and developed an AWS shared VPC model with Men & Mice DNS and Aviatrix network integration to help optimize cloud networking costs.

### **IaC Enablement**

Designed and developed a process to allow teams to deploy stateful, secure, and portable Infrastructure-as-Code foundations.

### **Online Software Evaluation**

Designed and developed an online software evaluation system and access API to stream applications through web browsers.

### **Azure Pipelines Agent Automation**

Consulted on the development of Azure Pipelines virtual machine agent deployment automation for organization-wide agent pool management.

## EXPERIENCE

### Emerson

Penang, Malaysia  
Jan 2024 - Present

Cloud Technical Architect - AWS

### NI

Penang, Malaysia  
Aug 2022 - Dec 2023

DevOps Engineer & Technical Lead

### NI

Penang, Malaysia  
June 2020 - Aug 2022

Cloud Services Engineer

### NI

Penang, Malaysia  
Sept 2017 - June 2020

Web Systems Engineer

### UniMAP Holdings Sdn Bhd

Perlis, Malaysia  
March 2014 - Sept 2017

IT Executive

## EDUCATION

### University of Michigan

Ann Arbor, MI, USA  
2001 - 2006

Bachelor's Degree

### INTEC Education College

Selangor, Malaysia  
2000 - 2001

American Degree Foundation Program

### The Malay College Kuala Kangsar

Perak, Malaysia  
1994 - 1999

Malaysian Certificate of Education