AHMAD AFIQ BIN AZMI

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EXPERIENCE

Cloud Engineer (June 2023 – Present)
eCloudvalley Technology Sdn Bhd, Kuala Lumpur, Malaysia

- Automated the provisioning and management of AWS infrastructure resources using **Terraform**, reducing manual setup time by 40%.
- Managed CI/CD pipelines using **Jenkins**, **Gitlab** for seamless infrastructure deployment, reducing errors by 15%.
- Deployed scalable, resilient AWS solutions that optimized cloud costs by 20% while ensuring high availability and security compliance.
- Designed and implemented highly available, fault-tolerant AWS architectures using Auto Scaling and Elastic Load Balancing, achieving 99.99% uptime for enterprise clients.
- Handled **Managed Service Providers (MSP)** operations, resolving over 100 network, compute, and storage issues through a ticketing portal, reducing resolution time by 25%.

Junior Infrastructure Engineer (April 2022 – May 2023)
Discoverix Sdn Bhd, Kelana Jaya, Selangor

- Containerized and deployed 5+ applications using **Docker**, running **MongoDB**, **RabbitMQ**, and **MinIO** containers inside virtual machines, improving resource efficiency by 20%.
- Set up network infrastructure using **Nginx** and **Cloudflare** for reverse proxy, load balancing, and SSL/TLS termination, enhancing security and availability for deployed systems.
- Assisted in setting up **Consul** and **Nomad** Cluster for microservices applications, improving service discovery and orchestration across the system.
- Managed organizational network traffic, firewall configuration, and VLAN segmentation using **pfSense**, reducing network congestion by 15%.
- Automated infrastructure provisioning using **Terraform** for **Proxmox**, reducing setup time from 1-2 hours to 15 minutes, significantly improving deployment speed.
- Automated configuration and management for 30+ virtual machines inside Proxmox using **Ansible**, reducing manual configuration time by 50%.

Research Assistant (April 2022 – June 2022)
Universiti Malaya, Kuala Lumpur, Malaysia

- Developed a Blockchain Simulator System using **Django** and **Python** for staging and educational purposes, improving end user engagement and understanding of blockchain technology.

Assistant Network Engineer (August 2020 – January 2021)
IP Fokus Sdn Bhd, Bangi, Selangor

- Installed over 10 Cisco network switches and access points for client sites, enhancing network connectivity and performance.
- Remodelled network diagrams and topologies using **draw.io**, improving clarity and efficiency in managing client infrastructure.

EDUCATION

Universiti Malaya – Kuala Lumpur, Malaysia
Bachelor of Computer Science (Computer System and Network) (September 2018 - February 2022)
Cumulative GPA: 3.77 – Honours with Distinction

PROJECTS

SA DNS Filtering System - Monitoring for Parental Control Application
Final Year Project (March 2021 - February 2022)
- Built a DNS Filtering System using **Django** and **Python**, with a REST API for communication between web and desktop applications.
- Developed a standalone **DNS server** on AWS using **Bind** and deployed the system on **Heroku**.

TECHNICAL SKILLS

Programming Language: **Python**
Web Development Framework: **Django, Bootstrap CSS**
DevOps: **Docker, Nginx, Consul, Nomad, Terraform, Ansible, Linux**
Infrastructure/Cloud: **Proxmox, AWS, PfSense**

CERTIFICATES

HashiCorp Certified: Terraform Associate (003): [View credentials](#)
AWS Certified Solutions Architect – Associate: [View credentials](#)