

# KHAING ZIN ZIN

## ASPIRING CLOUD & PLATFORM ENGINEER

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### PROFESSIONAL SUMMARY

Computer Science student who passionate about cloud infrastructure, automation, and platform engineering. Certified in Terraform with foundational knowledge in cloud native technologies and container orchestration. Eager to leverage hands-on project experience in Infrastructure as Code (IaC) and automation workflows through a practical Cloud/DevOps Engineering internship.

### TECHNICAL CERTIFICATIONS

**HashiCorp Certified: Terraform Associate (004)** **March 2026**

*Credential ID: HashiCorp Validation Verified*

**KCNA: Kubernetes and Cloud Native Associate** **June 2026**

*The Linux Foundation / Cloud Native Computing Foundation (CNCF)*

### TECHNICAL SKILLS

<b>Infrastructure as Code</b>	: Terraform (HCL)
<b>Containers &amp; Mesh</b>	: Kubernetes (KIND), Docker, Consul (Learning)
<b>Cloud Platforms</b>	: AWS, Azure, Google Cloud Platform (Core Workflows)
<b>Automation &amp; Tools</b>	: Vagrant, Bash/Shell Scripting, Git, GitHub, GitLab
<b>Core Competencies</b>	: Data Structures & Algorithms, Linux/Unix Environments, Web Development

### PORTFOLIO PROJECTS

**AWS VPC Peering Infrastructure Automation** **Terraform, AWS Networking**

- Designed and provisioned a multi-VPC architecture on AWS using Terraform to establish secure, isolated private cloud networks.
- Configured VPC Peering connections and dynamically updated routing tables to enable seamless, secure cross-VPC communication without internet exposure.
- Implemented strict security groups and network access control rules to enforce the principle of least privilege across peered network environments.

**Dashboard & Counting App Deployment on AWS** **Terraform, AWS**

- Provisioned and managed scalable cloud infrastructure on AWS using Terraform (IaC) to host a production-ready Dashboard Counting application.
- Implemented modular configuration patterns to separate infrastructure components, adhering to cloud deployment best practices.
- Automated the lifecycle of cloud resources (VPC, EC2, Security Groups) to streamline application provisioning and ensure environment consistency.

**Kubernetes-in-Docker (KIND) Cluster Automation** **Terraform, Kubernetes**

- Designed and automated the spin-up of a local Kubernetes-in-Docker (KIND) cluster using Terraform to establish a robust development environment.

- Demonstrated advanced IaC workflows, accurately utilizing Terraform init, plan, apply, and destroy operations for local container orchestration.
- Configured container-based test beds to safely experiment with deployments, services, and multi-node cluster behaviors locally

### **Multi-Service Dashboard Automation**

**Vagrant, Bash Scripting**

- Developed multi-virtual machine environments on Apple Silicon using Vagrant and shell provisioning scripts to automate application hosting environments.
- Created infrastructure initialization scripts to fully configure Dashboard and Counting services from a clean state without manual intervention.
- Configured local networking and service dependencies, successfully minimizing environment setup times for multi-tier microservices.

## **EDUCATION**

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**Bachelor of Computer Science**

**2024 – Present**

(Universiti Tunku Abdul Rahman)

*Core Coursework: Data Structures & Algorithms, Database Management Systems, Web Development*

## **INTERNSHIP PERIOD**

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**STARTING DATE: 19 OCTOBER 2026**