Ahmad Faris Aiman bin Arizal

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EXPERIENCE

IT Systems Engineer — Mar 2024 – Present
KAF Digital Bank — *Kuala Lumpur, Malaysia*
- Led the bank's successful completion of Operational Readiness Review with Bank Negara Malaysia presenting the bank's network infrastructure to secure the Islamic Digital Bank License.
- Enhanced the bank's network infrastructure by implementing private endpoints for Function App, Azure Data Factory, Application Gateway, and Storage Accounts that reinforces security for 5+ API services such as payment services and E-KYC.
- Spearheaded the implementation of Azure Privileged Identity Management and optimized Identity and Access Management for Entra ID for over 80+ non privelleged/privelleged user identities.
- Successfully migrated the bank's IaaS-based Active Directory (Azure VM) to Entra Domain Services, modernizing identity management for 1 application dependent on legacy LDAP authentication.
- Developed a disaster recovery architecture/strategy using Azure Recovery Services Vault for IaaS services and PaaS solutions like Azure SQL and Storage Account.
- Advised and managed L1 application support team as an L2 Infrastructure Engineer, providing technical guidance for application-specific issues and training their troubleshooting skills.

IT Systems Engineer Intern — Aug 2023 – Feb 2024
KAF Digital Bank — *Kuala Lumpur, Malaysia*
- Designed and deployed an innovative Managed File Transfer (MFT) solution for 60+ users that leverages on JSCAPE MFT, Azure Virtual Machines, Load Balancer, and Azure Files to enable secure, seamless, and compliant file exchanges between KAF Digital Bank and its strategic partners.
- Created Proof-of-Concepts with the Cloud Engineer to explore on Azure Network Infrastructure such as VNET, DNS, Entra Domain Services, Virtual Network Gateway which ultimately paved the way for the overall network infrastructure at KAF Digital Bank.
- Consistently resolved ITSM tickets for IT Support within SLA, ensuring operational efficiency and contributing to high customer satisfaction.

PROJECTS

ZeroDetect — https://github.com/Loximity-oss/Malware-Detection-PSM | *Python, ONNX, Sci-kit learn*
- Pioneered zero-day malware detection by training XGBoost and Random Forest algorithms to identify threats in web browser downloads.
- Presented a zero-day malware detection system at the Undergraduate Research Conference, earning 4th place for innovative AI-driven cybersecurity advancements.
- Converted the model into ONNX format and deployed it as a Chrome Extension that enables real-time inferencing and boosting web browser download security by 70 percent

Homelab — https://resume.loximity.dev | *Docker, Hyper-V, Raspbian Lite, Windows Server 2022*
- Designed a secure, scalable homelab network with Hyper-V, OpenWRT and Sophos Firewall.
- Implemented TLS Inspection, DNS ad-blocking, and custom DHCP for personal learning.
- Deployed Docker in the homelab to deepen understanding of application containerization and enhance system scalability through practical implementation.

TECHNICAL SKILLS

Cloud Services: Microsoft Azure, Microsoft Sentinel, Micorosft Azure Monitor, Microsoft Entra ID
Infrastructure: Azure ARM, Ubuntu Server, Windows, Active Directory
Networking: Firewall, DNS, HTTP, SSL, TLS, TCP/IP, IPSec, SpeedFusion, SFTP.
Programming and Scripting: Python, Powershell, C++, Java, SQL

EDUCATION

Doctor of Philosophy in Computer Science (Artificial Intelligence) — Skudai, Johor
Universiti Teknologi Malaysia — *Feb 2024 – Ongoing*

Bachelors in Computer Science (Computer Networks and Security) – 3.81 — Skudai, Johor
Universiti Teknologi Malaysia — *Sept 2021 – Feb 2024*