

MOHD IRFAN NADZIRI BIN MOHD ZAKI

Cloud Engineer • Solutions Architect

Open to roles: Cloud, DevOps, and Platform Engineer • Solutions Architect

Cyberjaya, Malaysia

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PROFESSIONAL SUMMARY

AWS-certified Cloud Engineer with expertise in designing and deploying scalable cloud solutions. Skilled in AWS Landing Zone, Infrastructure as Code (IaC), system automation, and architecture design. Proven track record in optimizing cloud infrastructure for cost efficiency, security, and high availability. Seeking a role to architect and implement robust AWS-based solutions that drive business growth.

PERSONAL AND WORK EXPERIENCE

BMW GROUP

AWS Technical Manager

Cyberjaya

April 2025 – Present

- Designed and deployed AWS cloud infrastructure, implementing Multi-AZ architecture, Auto Scaling Groups (ASG), and Disaster Recovery (DR) strategies to support 20+ workloads with 99.99% uptime.
- Automated infrastructure provisioning using reusable IaC templates and Terraform modules, reducing manual deployment time by 80% and improving configuration consistency across 3 environments.
- Led cloud onboarding and migration projects for internal application teams, ensuring 100% adherence to project timelines and smooth adoption of AWS services.
- Developed and maintained CI/CD pipelines using Github Actions; integrating automated testing and deployment, enabling 2 times faster release cycles for 3 application teams.
- Conducted quarterly DR exercises with multiple teams to validate DR readiness and meet RTO/RPO targets.
- Implemented CI/CD automation using GitHub Actions, ECR, and ECS/Fargate to enable blue/green deployments and cut release time by 70%.
- Standardized deployment workflows and environment promotion processes across DEV–QA–PROD, ensuring consistent release quality and reducing deployment errors by 60%.
- Implemented centralized monitoring and alerting using CloudWatch metrics, log insights, dashboards, and alarms, improving incident detection and reducing response time by 30%.
- Managed patching and security compliance for over 200 EC2s and containers, resolving TLM findings, breach updates, and CVE vulnerabilities identified by Wiz to maintain system integrity.
- Collaborated with cloud platform teams to onboarding/migration efficiency, and ensure compliance with internal organization standards.
- Authored and maintained 3 technical runbooks covering DR execution, onboarding, and operational procedures, improving process consistency and reducing incident response time by 30%.

KOMETSOFT (M) SDN. BHD.

Solutions Architect

Putrajaya

January 2024 – April 2025

- Conducted AWS infrastructure assessments for an organization with 10+ workloads, identifying risks and optimization opportunities that improved infrastructure stability, cost efficiency, and security compliance by 50%.
- Assisted and advised three application teams (10+ developers and engineers) in migrating workloads to an AWS Landing Zone, ensuring successful completion within the designated timeline.
- Involved Landing Zone deployment for a government ministry, implementing AWS Service Control Policies (SCP), AWS Config, and security best practices, reducing manual infrastructure provisioning time by 60%.
- Designed and deployed cloud infrastructure using IaC with AWS CloudFormation, featuring Multi-AZ architecture, Auto Scaling Groups (ASG) for high availability, and AWS WAF for security, enhancing system uptime to 99.99%.
- Partnered with development teams to optimize cloud-native application deployments, reducing deployment errors by 70% and cutting release cycles from 2 weeks to 3 days.
- Created and developed an AI-driven chatbot application for customer support, currently in beta stage and attracting significant interest from various parties.

FINAL YEAR PROJECT

Implementing UIS Guard Patrolling System in a Cloud-based Infrastructure

Selangor Islamic University
January 2023 – October 2023

- Leveraged Amazon Web Services (AWS) including VPC, IoT Core, Lambda, RDS, EC2, and DynamoDB to build and manage the cloud-based infrastructure, optimizing security and data storage.
- Created a web-based platform with PHP and Bootstrap 5.3 to monitor patrolling schedules and data.
- Utilized Python to develop an AWS Lambda function for real-time data processing.

EDUCATION AND CERTIFICATION

AMAZON WEB SERVICES (AWS)

AWS Certified Solutions Architect - Associate (SAA-C03)

Expiry: August 2027

AWS Certified Cloud Practitioner (CLF-C02)

Expiry: August 2027

AWS Certified AI Practitioner (AIF-C01)

Expiry: December 2027

SELANGOR ISLAMIC UNIVERSITY (UIS)

Bachelor in Information Technology (Hons.) (Network Technology) (CGPA 3.96)

Graduation: June 2024

- Holder of UIS Chancellor's Award – Convocation 2024/2025.
- Best Student of Computer Science Department Award.
- Faculty of Creative Multimedia and Computing Student Figure Award.

SKILLS

Cloud & DevOps: AWS (EC2, Lambda, S3, CloudFormation, Auto Scaling, IAM, WAF, VPC, SCP, Config, ECS, EKS)

Programming & Web: Python, JavaScript, React.js, Vue.js, Tailwind CSS, Bootstrap

Infrastructure & Security: Linux, IAM, AWS Security Hub, CloudTrail, GuardDuty, K8s, Docker

CI/CD & Automation: Git, GitHub Actions, Terraform

REFERENCE

References available upon request.