

Mohammed Ali B. Abdullah

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PROFESSIONAL SUMMARY

Cloud and automation engineer with 7+ years of technology experience, including 4+ years building and supporting CI/CD pipelines, containerized applications, AWS infrastructure, infrastructure as code, and Linux-based environments. Hands-on experience with Terraform, CDKTN-generated Terraform, CloudFormation, Docker, GitHub Actions, GitLab CI, Azure DevOps, Python, Bash, IAM, Secrets Manager, and CloudWatch. Skilled in deployment automation, production troubleshooting, root-cause analysis, secure cloud integrations, monitoring, and cross-functional delivery.

TECHNICAL SKILLS

Cloud infrastructure: AWS Lambda, EventBridge Scheduler, ECS, ECR, Lightsail, S3, DynamoDB, API Gateway, IAM, Secrets Manager, CloudWatch, AWS OIDC, DigitalOcean VPC, Cloudflare

Infrastructure as code: Terraform, CDKTN-generated Terraform, CloudFormation, remote Terraform state in S3, reusable infrastructure modules, environment configuration

CI/CD and source control: Azure DevOps Pipelines, GitHub Actions, GitLab CI, Git, automated validation, test stages, Terraform plan/apply, artifacts, approvals, branch-based deployments

Containers and systems: Docker, Docker Compose, ECS, ECR, Kubernetes and EKS working knowledge, Linux, Bash, SSH, processes, services, permissions, application and container logs

Monitoring and operations: CloudWatch Logs, operational diagnostics, log analysis, alerting concepts, incident troubleshooting, root-cause analysis, deployment validation, technical runbooks

Networking and security: VPC concepts, DNS, load balancers, SSL/TLS, security groups, least-privilege IAM, cross-account roles, External IDs, RBAC, MFA/TOTP, secrets management

Scripting and data: Python, Bash, Django, Flask, PostgreSQL, SQL Server, MySQL, DynamoDB, SQL optimisation, data migration, backup and recovery concepts

CERTIFICATIONS

AWS Certified Solutions Architect - Associate (SAA-C03) | [View credential on Credly](#)

AWS Certified Cloud Practitioner | [View credential on Credly](#)

AWS Certified AI Practitioner | [View credential on Credly](#)

PROFESSIONAL EXPERIENCE

Product Engineer (Freelance / Part-time) | Buzzerboy | IronFort

Remote | August 2024 - Present

- Define development, demo, and production AWS infrastructure using CDKTN-generated Terraform, reusable constructs, remote state in S3, and least-privilege execution and scheduler roles.
- Built Azure DevOps validation and deployment pipelines using AWS OIDC, automated tests, Terraform plan/apply stages, deployment artifacts, branch-based environments, and approval controls.
- Developed separate Python Lambda services scheduled with EventBridge, secured configuration through Secrets Manager, and implemented CloudWatch logging, delivery tracking, and operational diagnostics.
- Supported Dockerized application and worker deployments using Lightsail, ECS, and ECR; investigated container images, networking, database access, environment configuration, and deployment failures.
- Implemented secure cross-account AWS access using IAM roles and External IDs for ScanOps security scanning, with role-based permissions, MFA/TOTP, and tenant-aware controls.
- Resolved pipeline issues involving Terraform and CDKTN tooling, provider permissions, backend access, IAM policies, and Azure environment authorization.

Application Systems Engineer | Fujitsu Philippines

Bonifacio Global City, Philippines | July 2022 - September 27, 2026

- Built and maintained GitHub Actions and GitLab CI pipelines for validation and deployment of Python, Django, Flask, JavaScript, C#, and data-processing applications.
- Deployed and troubleshoot containerized Django services in Linux-based AWS environments using Docker, Bash, command-line tools, process inspection, and application and container logs.
- Created a multi-service log detection and monitoring tool that surfaced system events for operational analysis, troubleshooting, and root-cause investigation.
- Developed an IP restriction maintenance utility that automated repetitive configuration work and strengthened application security controls.
- Supported engineers with cloud infrastructure, CI/CD, container deployments, documentation, and technical troubleshooting across application environments.

Admin Officer II (Programmer) | Department of Agriculture

San Fernando City, La Union, Philippines | March 2021 - June 2022

- Developed a mobile application for drone-video processing that embedded geolocation data in the output, using Python, OpenCV, and MoviePy to reduce processing time by 40%.
- Developed a tool that processed, sorted, and grouped geotagged infrastructure-project photos into before, during, and after construction stages.
- Created GitHub Actions CI/CD pipelines to automate the build and deployment of departmental tools to infrastructure within a DigitalOcean VPC.

Project Assistant I (Web Developer) | Department of Agriculture

San Fernando City, La Union, Philippines | June 2020 - March 2021

- Developed an employee self-service web application for viewing payslips and Daily Time Records (DTRs).
- Developed a web-based document-tracking tool with integrated ACR search for locating and monitoring departmental records.
- Created GitHub Actions CI/CD pipelines to automate the build and deployment of the web tools to infrastructure within a DigitalOcean VPC.
- Migrated and optimised a public website and supported an ASP.NET MVC analytics dashboard and validated data-entry workflow.

Applications Developer | Universal Leaf Philippines Incorporated

Agoo, La Union, Philippines | July 2018 - December 2019

- Developed and supported enterprise applications, scheduled jobs, deployments, documentation, troubleshooting, user support, and technical delivery.
 - Optimised SQL stored procedures and scheduled jobs, reducing data-processing time by 25%.
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EDUCATION

Bachelor of Science in Information Technology | Don Mariano Marcos Memorial State University | San Fernando City, La Union, Philippines