

Nathnael Gashu

AWS Certified Cloud Engineer

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PROFILE

- AWS Cloud Engineer with expertise in managing and provisioning AWS services such as EC2, ELB, VPC, RDS, IAM, CloudFormation, S3, CloudWatch, and more.
- Proficient in SCM tools like Git, Bit Bucket, GitLab, and experienced in configuration management.
- Skilled in virtualization software such as Docker, and VMware, with expertise in virtual orchestration using Docker, Terraform, and Kubernetes.
- Strong scripting abilities with Bash shell and proficiency in programming languages including Python and YAML •
- Experienced in monitoring AWS infrastructure and applications using CloudWatch and other monitoring tools.

SKILLS

AWS services	EC-2, ELB, VPC, RDS, IAM, Cloud formation, S3, Cloud watch, Cloud Trail, SNS, SQS, SWF, and EBS.
SCM Tools	GIT, Bit Bucket, Gitlab, GitHub
Virtualization Software's	Docker, VMware
Virtual Orchestration	Terraform, Kubernetes
Scripting	Bash
Programming Languages	Python, YAML, Java
Monitoring Tools	Cloud watch
Linux Flavors	Kali Linux
Web Technologies	HTML, CSS, Java Script, XML, JSON, XSL

EXPERIENCE

Mastercard, NY (Remote) | Sep 2021 – Jan 2024

AWS/ DevOps Engineer Responsibilities

- Creating and managing S3 buckets, EC2 Instances, AMI's, and Volume snapshots.
- Generates Terraform scripts and templates required for the automatic provisioning of resources.
- Creation of user accounts, policies and roles on Amazon Web Services using IAM.
- Perform creation of Amazon ELB and Auto Scaling Groups.
- Perform troubleshooting and monitoring of Linux servers on AWS.
- Monitored and maintained the performance and availability of AWS infrastructure and applications using tools like CloudWatch and other monitoring tools.
- Participated in on-call rotation to provide 24/7 support for production systems and resolved incidents in a timely and efficient manner.
- Contributed to the development of the company's DevOps culture and helped implement processes and tools that improved collaboration, communication, and delivery speed.
- Use CloudFormation, Git and GitHub, Code Pipeline to push various code in our environment with visual studio code.
- Managed GIT repositories for branching, merging, and tagging.
- Resolved merging issues during rebasing and re-integrating branches by conducting meetings with Development Team Leads.
- Designed and implemented the backup strategy for all the critical systems such as build machines, bug tracking tools, central repositories etc.

Environment: AWS EC2, S3, RDS, VPC, Git, Shell Scripting, VS code, GitLab,

Brain Up Software Technologies, (Remote) | May 2019 – Sep 2021 Software Engineer Responsibilities

- Creating and managing S3 buckets, EC2 Instances, AMI's, and Volume snapshots
- Generates Terraform scripts and templates required for the automatic provisioning of resources.
- Responsible for design, implementation, and operational support for Cloud-based infrastructure solutions.
- Created VPCs, subnets including private and public, NAT gateways in a multi-region, multi-zone infrastructure landscape as per requirement.
- Actively involved in process improvement meetings
- Was involved in managing & creation of new User Accounts, groups using AWS Identity and Access Management (IAM).
- Used Terraform scripts to automate instances for manual instances that were launched before.
- Documents best practices and processes related to the AWS account.
- Import existing AWS resources to create reusable code using Terraform.

Environment: Gitlab, Terraform, Packer and Amazon Web Services (AWS).

EDUCATION

Master of Science in Information Technology | Marymount University | Arlington, VA

Bachelor of Science in Information Technology | Marymount University | Arlington, VA

CERTIFICATIONS

AWS Certified Solutions Architect - Associate

PROJECTS

Multi-Tier Infrastructure Using AWS CloudFormation

- I automated cloud infrastructure deployment using CloudFormation templates, an Amazon VPC, and a 3-tier infrastructure on EC2 instances across three Availability Zones, gaining experience in identifying and leveraging infrastructure features. This project showcased my ability to enhance cloud-based services through automation techniques.

[WildRydes](#)

- Using AWS Lambda, API Gateway, DynamoDB, Cognito, and Amplify Console, I created a serverless application with continuous deployment and hosting of frontend's static web resources. I integrated Cognito for user management and authentication, and DynamoDB for data storage, showcasing my ability to design and deliver secure, efficient, and scalable serverless applications on AWS.

Amazon Best – Seller

- I retrieved and stored 50,000 Amazon products in an S3 bucket and visualized data using Amazon Quick sight's tools. I showcased my expertise in AWS data management and visualization, and my ability to communicate insights through effective visual storytelling.