

# Victor Iliya

## AWS Cloud & DevOps Engineer

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### PROFESSIONAL SUMMARY

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I am an AWS Cloud and DevOps Engineer with 3 years of experience in designing, implementing, and managing scalable, secure, and resilient cloud solutions. Skilled in Infrastructure as Code (IaC), serverless architecture, containerization, and CI/CD pipelines. Passionate about leveraging AWS cloud technologies to deliver modern, cost-effective, and high-performing solutions.

### TECHNICAL SKILLS

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- **Cloud and Infrastructure:** AWS (EC2, S3, Lambda, DynamoDB, RDS, ALB, VPC), IaC (Terraform, AWS CDK, AWS SDK, CloudFormation), CI/CD (GitHub Actions, Jenkins, AWS CodePipeline), Linux.
- **Programming and Scripting:** Python, Javascript, Bash.
- **Containerization and Orchestration:** Docker, ECR, ECS
- **Version Control:** Git, GitHub, GitLab
- **Monitoring and Security:** AWS CloudWatch, AWS Config, IAM, Eventbridge

### CERTIFICATIONS

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- AWS Certified DevOps Engineer – Professional ([Credential](#))
- AWS Certified Developer – Associate ([Credential](#)).
- AWS Certified Solutions Architect – Associate ([Credential](#)).
- Hashicorp Certified Terraform Associate ([Credential](#))

### EXPERIENCE

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#### DevOps Engineer Intern | HNG Tech

remote

Jan 2025 – March 2025

DevOps

- **Designed** and implemented a **Kubernetes**-based deployment system for backend services, ensuring dynamic code execution, testing, and deployment within isolated environments by leveraging Kubernetes namespaces, API gateway, and **CI/CD** pipelines.
- Deployed a self-hosted **GitLab server** with FastAPI-driven orchestration and database-backed state management-controlled execution and build automation.

### TECHNICAL PROJECTS

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#### Development and Deployment of Machine Learning-based Intrusion Detection System (IDS) on AWS with CI/CD

- Developed and deployed an Intrusion Detection System web application using **Flask** (backend), **Next.js** (frontend), and a machine learning model trained on the NSL-KDD dataset with the **Scikit-Learn** library with **python**
- Built a multi-environment **AWS** architecture (Dev, Staging, Production) with **Terraform** to provision ECS clusters, Application Load Balancer (ALB), private/public subnets, Fargate-based deployment targets, and S3 buckets for secure file persistence.
- Implemented **CI/CD** pipelines using **AWS CodePipeline suite** to automate Docker image builds, test execution, and deployment to Amazon ECR and ECS Services, with rollback support.
- Configured security groups, **IAM roles**, and **VPC endpoints** to ensure secure communication between services.
- Authored comprehensive **system design** and architecture **documentation**, and published project implementation details on a personal DevOps blog for technical validation and knowledge sharing.

### EDUCATION

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Afe Babalola University, Ado-Ekiti – Bachelor of Engineering in Computer Engineering (**First Class Honors**).