Baldwin Peter Kpodo

Cloud, Systems & Cybersecurity Engineer
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CORE SKILLS & TOOLS

• Cloud Platforms: AWS, Microsoft Azure

• Infrastructure as Code: Terraform

• Containerization: Docker

• Operating Systems: Linux (Ubuntu, RedHat), Windows Server 2019

• Networking: DNS, DHCP, VPN, Firewalls, Load Balancing

• Cybersecurity: Threat Detection, Vulnerability Management, SOC Operations, Ethical Hacking

• DevOps & Automation: CI/CD, GitHub Actions, Bash, Python scripting

• Monitoring & Support: CloudWatch, IT Support, Systems Maintenance, Troubleshooting

• Systems Support, Server Administration, Network Engineering

HANDS-ON EXPERIENCE & PROJECTS

Cloud & Systems Engineer — Azubi Africa Program
Jan 2024 – Sep 2024
• Worked on multiple real-world cloud engineering and automation projects under Azubi Africa.
• Designed and implemented cloud infrastructure on AWS using Terraform for automation.
• Configured AWS Lambda, DynamoDB, and API Gateway to support serverless web applications.
• Integrated AWS SDK with PHP for web app backend connections.
• Implemented CI/CD pipelines with GitHub Actions to streamline deployment processes.
• Ensured infrastructure security through IAM role management and encryption.

Systems & Network Support — Home Lab Projects
2023 – Present
• Set up and managed multiple virtual servers and lab environments using VMware and VirtualBox.
• Practiced Active Directory configuration, DNS/DHCP setup, and server hardening.
• Installed and configured Apache2 web servers and deployed test websites.

• Monitored and troubleshooted network and system performance to simulate real-world enterprise setups.
• Developed scripts for automation and improved efficiency in testing environments.

Maintenance Mechanical Engineer — Industrial Sector
2012 – 2021
• Led preventive maintenance operations and implemented safety improvement programs.
• Gained strong problem-solving, documentation, and process optimization skills.
• Transferred analytical and technical experience into IT and systems management work.

TECHNICAL PROJECTS

• AWS Lambda Portal — Developed a cloud-based user management application using AWS Lambda, DynamoDB, and Amplify.

• Dockerized PHP App — Built and containerized a PHP web application connected to AWS DynamoDB for dynamic data management.

• EC2 Hosting & Apache Deployment — Configured EC2 instances with Apache2 for hosting personal and client websites.

• Cloud Monitoring — Created automated alerts and health checks using AWS CloudWatch for system performance tracking.

CERTIFICATIONS

• Microsoft Certified: Azure Fundamentals (AZ-900)

• Data Analytics Certification — JOMACSIT

• Cloud Engineering Program — Azubi Africa

• Ethical Hacking & Cybersecurity Training — Ongoing (TryHackMe, HackTheBox)

EDUCATION

Systems Engineering — IPMC College of Technology, Accra
Completed 2023