VICTOR AYI BONDZIE-MICAH

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PROFESSIONAL SUMMARY

Results-driven Network Engineer with hands-on experience in designing, implementing, and maintaining secure LAN, PBX, CCTV, and access control systems across enterprise and industrial environments. Cisco CCNA-certified and skilled in configuring routers, switches, and firewalls to optimize network reliability and performance. Proficient in troubleshooting complex connectivity issues, performing diagnostics, and ensuring maximum uptime. Known for combining technical expertise with a preemptive approach to IT operations, documentation, and team collaboration to deliver efficient and secure network solutions.

PROFESSIONAL EXPERIENCE

Network Engineer | BBJ Construction and Engineering Ltd
Accra, Ghana | March 2024 – Present

- Designed and maintained LAN infrastructure for 5 construction sites and administrative offices, supporting 100 users.

- Enabled call-completion rate of over 99%, with average call setup time reduced by 20% after migration to digital PBX

- Installed and managed CCTV systems comprising 50 cameras across site locations, integrated with remote monitoring centre 24/7.

- Reduced unauthorized access attempts by more than 50% within the first 6 months of deployment by implementing real-time alerting and audit trails.

- Used performance testing tools to measure latency, packet-loss and throughput; identified bottlenecks and increased usable bandwidth by more than 20% across site links.

Management Information System Assistant (National Service) | National Health Insurance Authority
Accra, Ghana | November 2021 – September 2022

- Managed data collection, entry, and database maintenance to ensure accurate and timely reporting reducing data inconsistencies by 80%.

- Provided IT support and troubleshooting for network and connectivity issues, reducing downtime by 30%.

- Installed and configured 20+ office systems and peripherals ensuring seamless hardware integration and system readiness.

- Developed quick-reference guides and troubleshooting checklists that cut recurring user issues by **25%** within 3 months.

PROJECT EXPERIENCE

Portfolio Website Hosting on AWS | Azubi Africa | September 2025

- Deployed a static website using Amazon S3 and configured custom DNS routing with Route 53.

- Implemented IAM policies and S3 bucket security controls for access management.

- Integrated CloudWatch for system monitoring and performance logging.

Security-Integrated CI/CD Pipeline | Azubi Africa | September 2025

- Implemented automated security scans identifying 15+ potential vulnerabilities pre-deployment.

- Reduced configuration errors by 90% using Infrastructure-as-Code templates (CloudFormation).

- Optimized pipeline deployment time from 45 to 15 minutes through automation.

TECHNICAL SKILLS

Cloud Platforms: AWS (EC2, S3, IAM, VPC, CloudWatch, Route 53, Lambda, DMS, CloudFormation)
Networking: TCP/IP, DNS, DHCP, VPN, Subnetting, VLANs, Routing & Switching, Network Security
Scripting & Automation: Python (Boto3), Bash Shell Scripting
Operating Systems & Tools: Linux, Windows, Active Directory, Office 365
Security Tools: Fortigate Firewalls, ACLs, VPNs, SSH
Soft Skills: Troubleshooting, Documentation, Team Leadership, Communication

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EDUCATION & TRAINING

AWS Cloud Intensive Training | Azubi Africa | Online | May 2025 – September 2025
Kofi Annan Centre of Excellence (GI-KACE) | March 2023 – February 2024
BSc Mathematics | University of Ghana, Legon | August 2017 – June 2021

CERTIFICATIONS

- AWS Certified Solutions Architect – Associate (SAA-C03)

- Cisco Certified Network Associate (CCNA)