

HAROLD S. NCHANG

Cloud Support Engineer | AWS Certified Solutions Architect & CloudOps Associate
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PROFILE

A Cloud and DevOps engineer with specialized hands-on production experience across AWS infrastructure, including VPC network architecture, containerized deployments, Infrastructure-as-Code, and serverless AI systems. AWS Certified Solutions Architect and CloudOps Engineer, with a track record of designing, deploying, and troubleshooting production-grade cloud environments.

CERTIFICATIONS

- AWS Certified Solutions Architect – Associate (SAA-C03)
- AWS Certified CloudOps Engineer – Associate (SOA-C03)

CORE COMPETENCIES

AWS (VPC, EC2, S3, IAM, ECR, Lambda, API Gateway, Bedrock, DynamoDB, OpenSearch Serverless) | Terraform | Docker | Infrastructure-as-Code | CI/CD Concepts | Python | Linux/Bash | Azure (Virtual Machines, Active Directory)

WORK EXPERIENCE

Cloud Engineer, Solutions Architect Track TTeck Systems Nov 2025 – Present

- Designed and deployed a 17-resource, production-grade AWS network architecture spanning two Availability Zones using Terraform, including public/private subnet segmentation and security-group chaining across load balancer, application, and database layers eliminating manual provisioning errors and enabling repeatable, version-controlled infrastructure changes

- Implemented centralized secrets management using AWS Secrets Manager, replacing hardcoded application credentials and reducing credential-exposure risk across environments

Built and deployed containerized production applications via multi-stage Docker builds, reducing image size to 75.2MB and cutting deployment time

-Diagnosed and resolved a production networking failure by identifying a runtime HOSTNAME binding defect, restoring service without escalation or downtime

-Architected a serverless, retrieval-augmented AI pipeline (Lambda, API Gateway, Bedrock, OpenSearch Serverless) supporting production RAG workloads end-to-end

-Established remote Terraform state management with S3 and DynamoDB locking, enabling safe, collaborative infrastructure changes

EDUCATION

Bachelor of Science (B.S.), Cloud & Network Engineering Western Governors University
Associate of Science (A.S.), Business Community College of Philadelphia