

KENNETH O'HENE

912 Edpas Rd, New Brunswick, NJ 08901 • (908)361-3033 • kenkohene@gmail.com

SUMMARY

Over 20 years of experience designing, analyzing, testing and maintaining network solutions to support software development life cycle of cloud, wireless and wired network infrastructure and workloads

PROFESSIONAL PROFILE

- Ability to apply AWS architectural design best practices to achieve cloud solutions that are cost-effective, reliable, secured and performance efficient
- Sound knowledge of system requirements formulation, analysis, traceability, and automated testing methodologies
- Competent in designing, writing, reading, and running python and shell scripts to automate testing of system requirements
- Thorough knowledge of the design, analysis and operation of cellular, WIFI and data networks in delivering data, voice, VoIP and multimedia services

EDUCATION

Active Certifications:

- AWS Certified Solutions Architect Professional (SAP)
- Cisco Certified Network Professional (CCNP) Routing and Switching
- Cisco Certified Network Associate (CCNA) Security
- Cisco Certified Network Associate (CCNA) Wireless

Data, VoIP and Cloud Networking:	Avtech Institute of Technology, South Plainfield, NJ	Dec. 2016
Foundations of Teaching Certificate:	Commonwealth Education Trust, London, England	Aug. 2015
Virtual Teacher Certificate:	University of California, Irvine, CA	Jan. 2015
MS in Electrical Engineering:	Columbia University, New York, NY	May 2003

EXPERIENCE

Network Solutions Consultant, Everbright School Group, Edison 6/2021 – Present

Perform the following duties, which have improved reliability of virtual education platform by 50% and cost by 25%:

- Design, implement, administer, and support hybrid cloud data, wireless and VoIP networks
- Supervise the design, production, and maintenance of servers and content for virtual courses
- Supervise the administration and maintenance of learning management system (LMS)
- Train educators in using virtual education platform to improve instruction of students

Senior AWS Solutions Architect, Turbonomic Inc, Boston, MA 9/2015 –6/2021

Performed the following duties, which improved proof of concepts execution and helped business achieve 90% customer conversion rate:

- Evaluate business objectives and formulate architecture requirements for fully public and hybrid AWS cloud solutions
- Design or review and redesign solutions for workloads on fully public and hybrid AWS cloud
- Design solutions for new workloads and refactored applications migrating from data centers into AWS cloud
- Integrate, deploy, and test proof of concept solutions in pre-production cloud environments
- Member of customer critical support team responsible for troubleshooting and fixing problems in production systems
- Act as subject matter expert and interface of development team to sales team and executives

Member of Technical Staff, Alcatel-Lucent Technologies (dba Nokia), Murray Hill, NJ 7/2001 – 9/2015

Held system engineering and testing roles for LTE and CDMA voice and data network technologies.

Performed the following duties, which increased product quality and achieved 99% KPI for customers:

- System requirements formulation, analysis and solution design
- Verification of system software and hardware proper integration and overall function
- System requirements end-to-end test planning, test case scripting, test case execution, results analysis and problem reporting
- Test lab IP network design and setup using routers and switches from multiple vendors
- System troubleshooting, remediation verification and quality matrix reporting
- Field application support and critical customer support team participating
- Setup, upgrade and troubleshooting of radio access nodes (RAN) and core network elements
- Mobile user equipment troubleshooting and maintenance
- Mentoring of new engineers and interns

CLOUD SOLUTIONS SKILLS

Have between high competency and comprehensive working knowledge of the following AWS services and features:

Design Patterns

- High Availability, Auto-Scaling, Multi-tier Web Applications, Decoupled Application Tiers, Microservices, Serverless Application Model

Disaster Recovery

- Backup and restore, multi-AZ failover, multi-region failover, cross-region replication, global databases

Services

- Compute: EC2, Lambda, ELB, ECS, EKS, Fargate
- Storage: S3, Glacier, EBS, EFS, FSx, Storage Gateways,
- Database: RDS, Aurora, DynamoDB, Dax, ElastiCache, Redshift, Amazon Neptune
- Networking: VPC, CloudFront, R53, Private Link, Global Accelerator, Direct Connect, Transit Gateway, VPN
- Security: IAM, SG, ACL, WAF, Shield, Shield Advance, KMS, SSL, Encryption, ACM, Identity and Resource Policies, Organizations, ControlTower, Identity Federated, SSO, Cognito, Amazon Macie, Inspector, GuardDuty
- Migration: Snowball, Database Migration Service, Migration Hub, Application Discovery Service, Application Migration Service, CloudEndure, Migration Evaluator
- Service Integration: SQS, Amazon MQ, SNS, EventBridge, Kinesis, SWF, Step Function, API Gateway, AppSync
- Analytics: Data Pipeline, Athena, QuickSight, Glue, EMR, SageMaker
- CI/CD: CodeCommit, CodeBuild, CodeDeploy, CodePipeline, Elastic Beanstalk
- Tools: AWS-CLI, Boto3, Console, Cloud9, CloudFormation, OpsWorks, System Manager, CloudWatch, CloudTrail, Config, Cost Explorer, Well Architected Tool, Trusted Advisor