CLOUD INFRASTRUCTURE ENGINEER

SAMUEL ONYEKWERE | Greater Manchester, UK | saamzinc@gmail.com
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Azure Infrastructure | Terraform | CI/CD | Cloud Networking | Secure Application Delivery

PROFESSIONAL SUMMARY

Cloud Infrastructure Engineer with 3+ years' commercial experience delivering and supporting SME applications, including Azure-hosted workloads. Hands-on experience with Terraform, Azure networking, identity, CI/CD automation and deployment troubleshooting. Holds an MSc in Cloud and Network Security (Distinction), alongside AZ-104, AZ-700, AZ-500 and Terraform Associate certifications.

SELECTED ENGINEERING IMPACT

- Migrated 10+ SME websites from shared hosting to Azure App Service, Static Web Apps and container services, improving deployment consistency through managed Azure hosting.
- Standardised infrastructure provisioning and application releases across client environments using Terraform and GitHub Actions/Azure DevOps workflows.
- Resolved Azure service-connectivity issues and supported controlled application access using VNets, DNS, private connectivity, Azure RBAC and managed identities.

PROFESSIONAL EXPERIENCE

Cloud & Backend Engineer (Freelance) | Ecosynd Technologies | Mar 2022 – Sep 2025
Progressed from application delivery into Azure infrastructure, networking and automation for client hosting and reliability needs.

Cloud infrastructure & automation

- Implemented Azure hosting, VNets, DNS, private connectivity, Azure RBAC and managed identities to support controlled access for client workloads.
- Developed Terraform configurations and GitHub Actions/Azure DevOps workflows to support repeatable infrastructure provisioning and deployments.
- Diagnosed and resolved deployment and connectivity faults using logs and configuration checks; documented fixes and client handovers.

Application & backend delivery

- Built and supported 20+ SME websites and APIs using PHP, Python, MySQL and Redis, covering client requirements, troubleshooting and ongoing support.

Fullstack Web Developer | BlueX Services | Nov 2021 – Feb 2022

- Developed and maintained client websites and web application features using collaborative Git workflows.
- Helped troubleshoot API, database and deployment issues for client applications.

TECHNOLOGY & CLOUD SKILLS

Azure Hosting: App Service, Static Web Apps, Container Apps, Azure Storage, ACR
Cloud Networking & Identity: VNets, NSGs, DNS, Private Endpoints, private connectivity, Entra ID, Azure RBAC, managed identities
Infrastructure & Automation: Terraform, GitHub Actions, Azure DevOps, Git, PowerShell, Bash
Cloud Security & Monitoring: Key Vault, Azure Policy, Defender for Cloud, Checkov, Azure Monitor, KQL
Containers (portfolio): Docker, Kubernetes, AKS, Helm, OIDC
AWS (independent projects): VPC, EC2, S3, IAM, KMS, API Gateway, Lambda
Application Development: PHP, Python, REST APIs, MySQL, Redis

CERTIFICATIONS

Microsoft AZ-104, AZ-700, AZ-500 | HashiCorp Terraform Associate | Cisco CCNA | CompTIA Network+ | GitHub Actions Associate

EDUCATION

MSc Cloud and Network Security (Distinction), University of Greater Manchester, 2025–2026 | BSc Mathematics, Nnamdi Azikiwe University, 2022

ACADEMIC RESEARCH

MSc Azure misconfiguration benchmark: developed a reproducible Terraform/Python test framework comparing static scans with Azure Policy, Defender for Cloud and KQL runtime checks; evaluated detection coverage, false positives and time to detection. Public artefacts: doi.org/10.5281/zenodo.21628426

SELECTED CLOUD & INFRASTRUCTURE PROJECTS

Virtual On-Premises to Azure Migration | VMware & Windows Server (lab/design)

- Built a VMware-based Windows Server lab (DC01/SRV01) with AD DS, DNS and DHCP; designed an Azure migration with networking, access controls and rollback planning.

FinPay | Azure infrastructure & deployment automation (portfolio)

- Implemented Terraform-based Azure infrastructure for a fintech application, integrating Key Vault, ACR, MySQL and Redis with GitHub Actions OIDC access and security checks.

BlueTide | AWS networking & serverless architecture (design)

- Designed an isolated AWS VPC with EC2, S3, IAM, KMS, API Gateway and Lambda; documented networking and service access.

Online Boutique | AKS infrastructure & microservices platform (portfolio)

- Adapted an 11-service sample application for Azure AKS using Terraform, ACR and Helm; added workload identity and monitoring.