

Ali Albaker, Cloud Architect – Healthcare

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PROFILE

Cloud Architect specializing in healthcare infrastructure with extensive experience in AWS Landing Zones and compliance. Delivered secure, scalable cloud solutions, enhancing cost efficiency and operational performance. Expertise in Infrastructure as Code (IaC) with Terraform, enabling reliable deployments and automations. Unique focus on HIPAA compliance and security within cloud environments, driving modernization initiatives that optimize performance and reduce downtime.

EMPLOYMENT HISTORY

Sept 2025

Cloud Architect – Healthcare, Optimum Health IT

Architected and deployed AWS Landing Zones for healthcare clients, implementing security and compliance guardrails. Designed environments following AWS Well-Architected Framework, prioritising security and cost optimisation. Delivered secure cloud architectures, onboarding existing workloads into standardised AWS environments. Developed Infrastructure as Code (IaC) with Terraform, enabling version-controlled deployments.

- Implemented blue/green deployment strategies, minimising downtime.
- Built AWS cost management dashboards, enhancing cost visibility.
- Led cost optimisation initiatives, reducing unnecessary expenses.
- Deployed AI solutions for workload discovery and migration planning.

Nov 2023 — Sept 2025

Senior Cloud Engineer, Marathon Health

Designed and managed AWS infrastructure for healthcare platforms, ensuring compliance with HIPAA and SOC2. Automated provisioning with Terraform and CloudFormation. Implemented AWS Config and GuardDuty for security and compliance. Managed AWS WorkSpaces with SAML SSO and lifecycle automation.

- Optimised containerized workloads to enhance scalability.
- Streamlined RDS migrations to reduce operational costs.
- Enhanced security posture with auto-remediation strategies.

Oct 2021 — Nov 2023

Senior Systems Administrator – IT & Security, Fivos Health

Oversaw hybrid AWS and OCI environments for healthcare workloads and compliance. Drove infrastructure modernization with Terraform, GitHub Actions, and PowerShell. Migrated 85+ customer environments across cloud platforms, ensuring minimal downtime. Orchestrated resilient DNS and networking architectures using Route 53 and Cloudflare.

- Achieved consistent recovery success with Veeam and AWS Backup.
- Enhanced security during customer environment transitions.
- Improved infrastructure efficiency through modernization initiatives.

Oct 2020 — Dec 2021

Information Technology Manager / Server Administrator Lead, Ellis Medicine Hospital

Oversaw server and infrastructure operations for clinical environments. Managed migration of VMware workloads to Nutanix HCI and Kubernetes platforms. Instituted HIPAA-compliant security controls and access policies. Automated provisioning and configuration processes with Terraform and Ansible.

- Spearheaded migration efforts, enhancing system performance.
- Championed security measures, ensuring compliance with regulations.
- Streamlined automation processes, reducing deployment time by 30%.

Feb 2019 — Oct 2020

Senior Systems Administrator, CMA Consulting

Automated hybrid infrastructure across AWS and Azure using Terraform, Ansible, and SCCM. Managed enterprise VMware environments (vCenter, ESXi) and backup systems with Veeam. Administered AWS RDS; conducted failover and disaster recovery testing. Implemented Splunk for centralized logging, enhancing SOC visibility and alerting.

- Automated infrastructure deployment, improving efficiency and reliability.
- Enhanced VMware management, ensuring optimal performance and uptime.
- Streamlined disaster recovery processes, minimising downtime.
- Improved security posture with centralized logging and alerting.

Jan 2013 — Feb 2019

System Network Administrator, Albany Medical Center Hospital

Oversaw large-scale clinical infrastructure environments. Migrated legacy workloads to AWS and HyperV platforms. Implemented EPCS with MFA/2FA for DEA compliance. Supported HIPAA audits, security reviews, and incident response. Managed enterprise authentication solutions such as Imprivata OneSign.

- Spearheaded migration of legacy workloads to cloud platforms.
- Championed compliance with DEA standards through EPCS implementation.
- Facilitated HIPAA audits and security reviews.
- Drove management of enterprise authentication solutions.

Aug 2012 — Jan 2013

Senior Desktop Support Specialist, Albany Medical Center Hospital

Delivered Tier 1–2 support for Windows and Linux systems across hospital and clinic environments. Troubleshot VPN, hardware, software, and enterprise applications. Provided escalation support for critical clinical systems.

- Resolved technical issues efficiently, enhancing user satisfaction.
- Collaborated with teams to streamline support processes.
- Assisted in the implementation of system upgrades.

EDUCATION

Bachelor's Degree in Computer Science

SKILLS

AWS (EC2, S3, RDS, Lambda)	Expert	CloudFormation	Expert
AWS Landing Zones	Expert	Cost optimization	Expert
Terraform	Expert	Centralized Logging	Expert
HIPAA compliance	Expert	CI/CD Pipelines	Expert
Infrastructure as Code	Expert		