Rosalind Ferrier Staff AWS Engineer

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PROFILE SUMMARY

- **Staff AWS Engineer** with **15 years** in **healthcare infrastructure**, leading AWS architecture, guardrails and cost for **HCA Healthcare**, one of the largest hospital operators in the US.
- Works across **AWS Control Tower**, **AWS Organizations**, **Terraform**, **Amazon EKS**, **Aurora** and **AWS Security Hub**, writes policy as code in **OPA**, and holds the **AWS Security Specialty** certification.
- Knows **HIPAA-scoped landing zones**, **multi-Region recovery for clinical systems** and **FinOps at enterprise scale**, and turns each one into a standard other teams can follow.
- Works with **clinical informatics**, privacy, security and finance leaders, chairs the **cloud architecture review board** and briefs ITG leadership on cloud risk every quarter.
- Mentors **7 senior engineers**, wrote the **AWS engineering standards** 140 engineers build to, and owns the technical side of HCA's relationship with **AWS Enterprise Support**.

TECHNICAL SKILLS

Compute & Containers:	Amazon EKS, Amazon EC2, AWS Lambda, AWS Fargate, Karpenter, Bottlerocket
Networking & Content Delivery:	Amazon VPC, Transit Gateway, AWS Direct Connect, Amazon Route 53 Application Recovery Controller, AWS PrivateLink, AWS Network Firewall
Security, Identity & Compliance:	AWS Organizations, AWS Control Tower, service control policies, AWS Config conformance packs, AWS Security Hub, AWS KMS, HIPAA, HITRUST
Storage & Databases:	Amazon Aurora Global Database, Amazon S3, Amazon DynamoDB, Amazon RDS, AWS Backup
Infrastructure as Code & CI/CD:	Terraform, HCP Terraform, Checkov, Open Policy Agent, GitHub Actions
Monitoring & Cost Management:	Amazon CloudWatch, Datadog, AWS Cost and Usage Report, AWS Cost Explorer, Savings Plans, AWS Compute Optimizer
Scripting & SDKs:	Python, Boto3, Go, Bash, Rego

EDUCATION

Vanderbilt University — B.E. in Computer Engineering — Nashville, TN · Aug 2007 to May 2011

Amazon Web Services — AWS Certified Security, Specialty and Solutions Architect, Professional — Nashville, TN · 2021 and 2023

WORK EXPERIENCE

HCA Healthcare — Staff Cloud Engineer (promoted 2022) — Nashville, TN · Feb 2017 to Present

- Set up and chair the cloud architecture review board for HCA's AWS estate, running **Well-Architected reviews** on 58 clinical and business workloads and closing **210 high-risk issues** before go-live.
- Designed the landing zone on **AWS Control Tower** with HIPAA-scoped service control policies and AWS Config conformance packs, now governing **340 accounts** across 14 divisions.
- Designed multi-Region recovery for clinical integration services with **Aurora Global Database** and Route 53 Application Recovery Controller, failing over in **11 minutes** in quarterly drills.
- Built the FinOps practice for the AWS estate, with tag-based showback, Savings Plans planning and Graviton rightsizing, cutting yearly AWS spend by **$6.4M** while workloads grew.
- Set the **Terraform** module and pipeline standard 140 engineers deploy through, with Checkov and OPA checks on every plan, cutting failed production changes from 9% to **2%**.

Cerner — Senior Systems Engineer, CernerWorks — Kansas City, MO · Jul 2011 to Jan 2017

- Led encryption at rest for **2,400 Oracle databases** holding client EHR data in CernerWorks data centers, finishing on schedule with no unplanned downtime.
- Designed network segments and firewall policy for **190 client hospitals** connecting to hosted Millennium environments, cutting new client network setup from 30 days to 9.
- Automated client environment builds on VMware with Python and Puppet, taking hosted domain provisioning from 6 weeks to **4 days**.