

STEVE ROSE

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PROFESSIONAL SUMMARY

I am a 15+ year tenured Platform and Site Reliability specialist delivering 99.99% availability through automation and cloud-native engineering. Builder of both teams and systems that remain calm under load through automation, observability, and operational excellence.

CORE SKILLS

Leadership : Leading cross-functional Reliability teams, Mentoring, Stakeholder management, Technical decision-making, partnering Product & Architecture

SRE & Platform Engineering : SLO, SLI, Error budgets, Incident response, Capacity planning, Reliability reviews, Chaos & Failure testing

Infrastructure : AWS, Google Cloud, Kubernetes, Service Mesh, Hybrid Networking (VPC, TGW, PrivateLink), API, Edge Security, CDN (Akamai, Cloudflare)

Messaging & Data : Kafka, MQ, Relational DBs, NoSQL (Dynamo, Couchbase), Caching (Redis, Memcached), Search (Elasticsearch, Splunk, OpenSearch)

Automation : IaC (Terraform, Ansible), CI/CD (Jenkins, Concourse), GitOps, Deploy automation (Helm, Flux, Canary & Blue-Green), Lambda, Docker, Python, Bash, Linux, Vault

Observability : Prometheus, Grafana, ELK, Datadog, Synthetic testing, OpenTelemetry

FinOps : Cost allocation, Budget management, Rightsizing, Report tools (AWS, Cloudability), Analytics (BigQuery, Looker)

EXPERIENCE

NBCUNIVERSAL (SKY)

LEEDS, UK

Site Reliability Engineering Lead

MAR 2020 - PRESENT

- Owned the SRE function for NBC's *Peacock* streaming platform Identity & Access service, which successfully handled a peak 28 million streamers during NFL playoffs and 40k TPS on IAM profile requests, with zero performance degradation.
- Built and led a 12-strong cross-region SRE team across the UK and India, owning on-call practices, setting reliability goals, managing incidents and mentoring engineers into senior, autonomous operators.
- Drove end-to-end delivery from early planning through live operations: capacity modeling, load testing, and launch-readiness reviews with engineering and product teams across Sky, Comcast, NBCUniversal and AWS.
- Established dedicated observability platforms for IAM journey flows (SLOs, dashboards, synthetic journeys, tuned alerting) and used them to run war-room style monitoring and incident response for Peacock (US) and Sky (UK) live events.
- Owned reliability and operational excellence for critical platform components, including Kafka, Couchbase, Akamai WAF, GTM, VPC, EC2, ALB, ECS, S3, Lambda.
- Co-designed a multi-tenant Kubernetes (AWS EKS) platform to service multiple business departments, implementing opinionated cluster baselines, namespace isolation, resource quotas and shared ingress/observability to keep teams fast while protecting noisy-neighbor and security boundaries.

- Spearheaded FinOps initiatives that yielded over \$1 million cost savings over a 6-month period — over 70% of infrastructure budget — through right-sizing, auto-scaling, footprint rationalizing, off-hours shutdown, AWS Instance Savings Plans.
- Designed, managed and executed multiple major platform migrations — including VMware to AWS for general infrastructure, on-prem NoSQL databases to Couchbase Capella, and RabbitMQ to Kafka to improve message broker throughput and resilience.

Senior Site Reliability Engineer (SKY)

AUG 2016 - MAR 2020

- Directed the introduction of Terraform to manage infrastructure as code, facilitating rapid multi-environment rollouts for developers.
- Enhanced CI/CD methodologies via Jenkins and Lambda to standardize deployment pipelines and eliminate manual steps on the Production path.
- Established and promoted architecture governance, ensuring infrastructure and service designs followed defined patterns, standards, and AWS *Well-Architected principles*.

LINUX SYSTEMS ADMINISTRATOR | *GoDaddy Inc. Leeds, UK*

JAN 2011 - AUG 2016

- Performed advanced systems administration for fleets of RHEL, Debian and BSD-based web hosting infrastructure.
- Integrated native virtualization (LXC, BSD Jails) where appropriate to reduce spend and improve compute usage for existing hardware, aiding capacity planning.

SENIOR TECHNICAL TRAINER | *123-REG Ltd. Leeds, UK*

SEP 2008 - JAN 2011

- Mentored and led Technical Support teams in the UK and Romania, teaching fundamentals of web hosting, TCP/IP, TLS, DNS, mail servers, FTP/SFTP, network troubleshooting, Unix/Linux and basic SQL.

CERTIFICATION & AWARDS

- 2026 — Certified Kubernetes Administrator
- 2025 — HashiCorp Terraform Associate
- 2025 — AWS Solutions Architect — Associate
- 2025 — Couchbase Capella Administrator — Associate
- 2015 — Linux Professional Institute LPIC-1
- 2015 — ITIL Foundation Certificate in IT Service Management

EDUCATION

CS50 : INTRODUCTION TO COMPUTER SCIENCE

2025

Harvard University (edX — Remote)

US

- Comprehensive introduction to CS and programming, covering C, Python, data structures, algorithms, web development, and system basics.

BSc (HONS) COMPUTER SCIENCE WITH ARTIFICIAL INTELLIGENCE

2029

The Open University

UK

- *In Progress* — Part-time degree alongside full-time Engineering roles — Expected completion Jun 2029.