

Andrew Flanigan

Kansas City, MO 64117 • andrewflanigan.com

WORK EXPERIENCE

Oracle

Aug. 2024 – Mar. 2026

Senior Site Reliability Engineer

Kansas City, MO

- Contributed to and helped drive Kubernetes migration efforts from AWS to OCI, including cluster provisioning, configuration, management and observability.
- Managed Kubernetes cluster lifecycle across Dev, Non-Prod, and Production environments, overseeing clusters ranging from small-scale to 250+ worker nodes, ensuring clusters remained current, stable, and compliant with Oracle security standards.
- Utilized Terraform to deploy, configure, and maintain cloud infrastructure including Kubernetes clusters, MySQL instances, and Redis instances on OCI.
- Maintained and debugged Spinnaker CI/CD pipelines, resolving pipeline failures and updating configurations to support application deployments across Kubernetes clusters.
- Served as the primary point of contact for internal development teams, providing troubleshooting assistance and owning the end-to-end change management and deployment process for application releases.

Oracle (acquired Cerner Corp. in 2022)

Oct. 2022 – Aug. 2024

Site Reliability Engineer II

Kansas City, MO

- Developed and maintained Python automation pipelines for onboarding tasks and multi-product deployments.
- Built and maintained a Ruby on Rails application enabling end-users to auto-generate Jira tickets, reducing manual overhead.
- Managed operations, deployments, and monitoring for multiple products running on AWS EKS clusters.
- Wrote Python scripts to extract and process data from MySQL databases for operational reporting.
- Developed and maintained Power BI dashboards to visualize project tracking metrics.

Cerner Corporation

May 2022 – Oct. 2022

Site Reliability Engineer

Kansas City, MO

- Built, managed, and maintained multiple Kubernetes clusters on Oracle Linux VMs.
- Configured application-level monitoring and alerting with New Relic and Splunk across Kubernetes environments.
- Contributed new features and UI improvements to an internal automation tool within the React framework.

Cerner Corporation

Oct. 2017 – May 2022

System Engineer I & II

Kansas City, MO

- Provided system implementation, support, monitoring and maintenance of Cerner's Remote Hosted solutions, services and infrastructure for hospital systems.
- Led the Websphere group for the region and provided on-call support to multiple clients across Cerner.
- Enforced declarative configuration management across hosted client environments using Git and Chef.
- Administered Linux and Windows Server environments as well as integrating third-party solutions including IBM Websphere, Citrix XenApp, SQL Server, SAP Business Objects, Imprivata (SSO) and Kofax Document Imaging.

SKILLS

Kubernetes, AWS, OCI, Terraform, Ansible, Python, Ruby on Rails, Spinnaker, Git, GitHub Actions, Helm, Containerization, Docker, Jenkins, Splunk, Grafana, Prometheus, CI/CD, IaC, Incident Management, Jira, Linux, Windows, Bash, MySQL, New Relic, Power BI

EDUCATION

Georgia Southern University - Statesboro, GA

May 2017

Bachelor of Science in Information Technology, Major: Information Technology, Minor: Computer Science

- Cum Laude, 3.5/4.0 GPA

PROJECTS

Oracle

May 2026

Personal Website - andrewflanigan.com

Designed and deployed a fully automated infrastructure pipeline for a personal portfolio site using DevOps practices.

- Provisioned AWS infrastructure (EC2, Route53, EBS) using Terraform with remote state stored in S3 and DynamoDB state locking.
- Configured server with Ansible roles covering Nginx, TLS via Let's Encrypt, SSH Hardening, UFW firewall, and fail2ban.
- Utilized Terraform to deploy, configure, and maintain cloud infrastructure including Kubernetes clusters, MySQL instances, and Redis instances on OCI.
- Implemented CI/CD with Github Actions with automatic deployment on push to main branch using rsync, with OIDC authentication for eliminating long-lived AWS credentials.
- Enforced code quality with tflint and ansible-lint running on every pull request.
- Automated dependency management with Dependabot across repositories

Technologies: AWS (EC2, Route53, S3, DynamoDB, IAM), Terraform, Ansible, GitHub Actions, Nginx, Hugo, Linux

Code Repositories at <https://github.com/AndrewFlan>

CERTIFICATIONS

Oracle Cloud Infrastructure 2023 Certified Foundations Associate

Aug. 2023