Jesse M. Shirley

Senior Site reliability Engineer

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Linkden Profile

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Summary

Results-driven Site Reliability Engineer with 10+ years of hands-on experience designing, migrating, and optimizing mission-critical cloud infrastructure in Azure. Well versed in Terraform IaC for automated provisioning, end-to-end disaster recovery architecture, and monitoring/alerting that proactively reduces incident response times and safeguards uptime oven success delivering scalable, resilient deployments—including Application Gateways, VMs, storage, and databases—while streamlining workflows and minimizing downtime during complex acquisitions migrations

SKILLS

- **System Architecture**
- **Automation**
- **Cloud Platforms**
- **Containerization/Orchestration**
- **Monitoring/Alerting**
- **Configuration Management**
- **Collaboration/Communication**
- **Linux Administration**
- **Splunk/Datadog**
- **CI/CD pipelines**
- **Terraform/Ansible**

EDUCATION

Diploma

Royal High School

2012-2015

AIU – Bachelors - Computer science

2014-2017

MILITARY SERVICE

United States Navy

2008- 2012

CERTS

CompTIA certification A+

CompTIA Linux +

Kubernetes LFS258 in progress

PROFESSIONAL EXPERIENCE

Site Reliability Engineer II

Marsh / Dallas Tx, / 04-2023 – Present

As a Site Reliability Engineer at Marsh McLennan, I spearheaded cloud migrations of on-premises and hybrid solutions to Azure, leveraging Terraform IaC to automate infrastructure provisioning and ensure seamless, scalable transitions with zero critical downtime, Engineered and implemented comprehensive end-to-end disaster recovery (DR) solutions, enhancing business continuity and minimizing potential data loss/RTO/RPO for mission-critical applications.

- I Successfully updated production application gateway ciphers using Terraform IAC
- I Successfully deployed IAC DR environment using Azure recovery Service vaults
- I Successfully deployed production infrastructure VM's, LB, and DB, in Azure with Terraform IAC
- I Developed Datadog Dashboards, and Monitors for production applications to improve SLA's

Site Reliability Engineer I

InComm Payments / Dallas Tx, / 08-2020 – 04-2023

As a Site Reliability Engineer at InComm Payments, I work closely with the Development application team, designing and deploying and maintaining ecommerce as a service, utilizing: Azure, Magento 2, Redhat, Nginx, Redis, Varnish, PHP, GitHub, Jenkins, and Maven to deliver fast and reliable customer website experience.

- I Successfully upgraded Magento2 web application by deploying upgraded application components.
- I Decreased application load times by implementing and upgrading Varnish and Redis caching components.
- I Successfully developed and implemented Blue/Green Deployments in Azure
- I helped maintain Racher environment, with Kubernetes using Bare metal VM's on RHEL, Operators and CRD.
- I Installed and configured and managed Istio Service mesh, Grafana and Argocd with K8's and Docker.
- I Migrated over 300 servers in Azure Cloud infrastructure from CentOS to RHEL 8 and installed and configured applications and its components using Ansible, Maven, GitHub.

Systems Engineer

UCLA Health / Westwood Ca, / 01-2018 / 01-2020

As a System Engineer, I wrote PowerShell scripts to automate installing applications from testing and maintaining SCCM environment, through deploying an application to production.

- I Successfully deployed critical infrastructure applications to 15k computers, using SCCM & PowerShell, and helped to automate reporting of collections.
- I Improved software installation process by implementing group policy to automatically install applications.
- I Implemented new standard change and increased efficiency by creating configuration baselines.
- I Maintained testing environment and tested new security tools to improve security across organization.