PRUTHVIRAJ SONAWANE

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SUMMARY

Site Reliability Engineer with 6+ years of experience building and operating highly available, multi-region Kubernetes platforms on Azure and GCP. Specialized in automation-first infrastructure, SLO-driven reliability, and large-scale cloud platforms. Proven track record of reducing operational toil by 60%, improving MTTR by 35%, and sustaining 99.95%+ service availability.

SKILLS

- **SRE Practices:** Incident response, on-call, postmortems, error budgets, toil reduction
- **Cloud Platforms:** Azure, GCP
- **Infrastructure as Code:** Terraform, Bicep, ARM, Ansible
- **Kubernetes & Containers:** Kubernetes (AKS, Kubeadm), Docker, Helm
- **CI/CD:** Azure DevOps, GitHub Actions
- **Programming:** Go, Python, Bash, PowerShell
- **Observability:** Prometheus, Grafana, Azure Monitor, AppDynamics
- **Security:** RBAC, IAM, Key Vault, TLS/SSL hardening
- **Datastores & Tools:** MongoDB, PostgreSQL

EXPERIENCE

Microsoft | *Site Reliability Engineer* **Aug 2023 - Present**

- Automated the removal of weak SSL/TLS ciphers for App Gateway and HAProxy with Bicep policy definitions, reducing security risks and achieving 100% compliance verified by Nmap and SSL Labs reports.
- Designed and operated multi-region AKS-based platform services (PAS) using Go microservices and Helm, enabling ~40% faster product release cycles and providing internal teams with CaaS-like experience
- Implemented automated certificate rotation using OnCert and Azure Key Vault to eliminate manual renewals and improve platform-wide security.
- Built and maintained Go-based control plane components and microservices on Kubernetes, integrating Linkerd service mesh to enhance traffic visibility, resiliency, and debugging efficiency by 40%.
- Automated key vault and storage access policy management across regions, reducing operational toil by ~60% while strengthening security and compliance for multi-tenant workloads
- Defined and enforced SLIs/SLOs and implemented end-to-end observability using Prometheus and Azure Monitor, maintaining 99.95%+ availability for critical services and improving early anomaly detection
- Led incident triage and on-call response for complex distributed systems, improving MTTR by ~35% through detailed runbooks, proactive monitoring, and cross-team collaboration

Nuance | *Site Reliability Engineer* **Jul 2022 - Aug 2023**

- Designed and automated secure CI/CD pipelines for large-scale data platforms using Azure DevOps and PowerShell, increasing deployment velocity while enforcing security controls
- Built automation for .NET runtime provisioning across 100+ servers with Ansible, eliminating configuration drift and improving reliability of backend services in production
- Provisioned and operated Azure infrastructure using ARM templates and Ansible, delivering reproducible environments for distributed systems and supporting rapid iteration by development teams
- Optimized observability and incident response by implementing Grafana and Prometheus, reducing alert fatigue by 30% and decreasing root cause analysis time for production incidents

Coredge.io | *DevOps Engineer* **Dec 2021 - Jun 2022**

- Deployed and managed on-prem Kubernetes clusters with kubeadm, optimizing resources to achieve 99.9% availability and reliable performance for multi-tenant container workloads.
- Architected and deployed Velero-based backup and disaster recovery solutions, enabling 99%+ application recovery time objective and reducing data loss risk for containerized workloads
- Engineered comprehensive monitoring infrastructure using Ansible, Prometheus, and Grafana, enabling 40% faster issue detection and resolution across multi-tenant clusters

Nutrino Tech Systems | *Site Reliability Engineer* **Oct 2019 - Dec 2021**

- Built CI/CD pipelines in Azure DevOps for automation and .NET services, reducing deployment cycle time by ~50% and improving reliability of releases
- Orchestrated containerization of Flask applications using Docker, enabling independent microservice deployments and reducing deployment friction by 35%, supporting 5x faster release cycles
- Managed Ansible-based server provisioning and Linux VM automation, reducing manual operations and enabling consistent environments for distributed services

EDUCATION

Pune University | *B.E., Computer Science* **2019**

CERTIFICATIONS

- Certified Kubernetes Administrator (CKA)
- Kubernetes and Cloud Native Security Associate (KCSA)
- Microsoft Certified: Azure Fundamentals (AZ-900)
- Certified Kubernetes Application Developer (CKAD)
- Kubernetes and Cloud Native Associate (KCNA)