

PRUTHVIRAJ SONAWANE

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SUMMARY

Site Reliability Engineer with extensive experience designing, automating, and operating large-scale Azure and Kubernetes infrastructures. Led the creation of a zero-downtime certificate lifecycle platform and a centralized observability stack, cutting production incidents by 80% and detection time by 40%. Built CI/CD pipelines and automation tools in Python, Go, and Terraform that reduced manual effort by up to 50% and improved deployment reliability. Seeking to apply proven reliability and automation expertise to drive high availability and operational excellence for the organization.

TECHNICAL SKILLS

- **Cloud & Infrastructure:** Azure, Azure Key Vault, Managed Identity, ARM Templates, Bicep, Terraform, Infrastructure as Code
- **Containers & Platform Engineering:** Kubernetes, AKS, Kubeadm, Helm, Velero, Docker, Containerized Workloads, Platform Engineering
- **Programming & Automation:** Go, Python, Bash, PowerShell
- **Reliability Engineering:** Monitoring, Alerting, Incident Management, Root Cause Analysis, Capacity Planning, Disaster Recovery, High Availability, Operational Excellence, Production Engineering, Safe Deployment Practices
- **Observability & Monitoring:** Prometheus, Grafana, Azure Monitor, Azure Log Analytics, AppDynamics
- **Linux & Networking:** Linux Administration, TCP/IP, DNS, TLS, Load Balancing, Network Troubleshooting, Distributed Systems
- **Distributed Systems:** Microservices, Service Reliability, Kubernetes Platforms, Distributed Application Operations

EXPERIENCE

Microsoft | *Software Engineer 2*

Aug 2023 - Present

- Architected and deployed a zero-downtime certificate lifecycle platform across distributed Azure infrastructure using Azure Key Vault, Managed Identity, and automation workflows, reducing certificate-related production incidents by approximately 80%.
- Managed reliability, capacity planning, and operational health for production Kubernetes environments, ensuring 99.9% service availability for key microservices that supported essential business operations.
- Improved MTTR by approximately 35% by enhancing incident response processes, RCA practices, and operational automation.
- Built centralized observability platforms using Prometheus, Grafana, Azure Monitor, and Azure Log Analytics, reducing incident detection time by 40%.
- Designed and implemented Python and Go automation tools, integrating PowerShell and Azure CLI, which eliminated repetitive tasks, reduced manual effort by 50%, and improved deployment reliability, cutting failure rates by 20% and enabling faster, more consistent releases.
- Supported production deployments by validating code, monitoring with Azure Monitor, and running automated Bash checks, directly reducing deployment errors and preventing post-deployment incidents.
- Resolved production incidents during on-call rotations by quickly troubleshooting and restoring service availability and performance, helping maintain 99.9% system reliability.

Nuance Communications (Microsoft) | *Site Reliability Engineer*

Jul 2022 - Aug 2023

- Designed and maintained secure CI/CD platforms supporting cloud-native applications, reducing deployment failures by approximately 30%.
- Automated infrastructure provisioning using ARM Templates and Infrastructure as Code practices, reducing deployment times by 25%.
- Implemented deployment validation, automated testing, and security gates in Azure DevOps pipelines, which reduced deployment errors by 30% and improved code quality.
- Leveraged Azure Monitor and Log Analytics data to identify and resolve reliability risks, reducing production incidents by 25% and increasing platform stability.
- Led incident response and root cause analysis with Azure Log Analytics, developing and executing remediation plans that reduced resolution time for production system issues.

Coredge.io | *DevOps Engineer*

Dec 2021 - Jun 2022

- Designed, deployed, and operated multi-tenant Kubernetes platforms supporting production workloads while maintaining 99.9% availability.
- Implemented backup, disaster recovery, and workload migration solutions using Velero, reducing downtime and ensuring reliable data restoration for critical services.
- Built observability and alerting systems using Prometheus and Grafana, reducing MTTD from 25 minutes to under 5 minutes.

- Automated cluster operations, deployment workflows, and platform maintenance activities using Terraform and GitLab CI/CD, reducing manual work by 40% and improving deployment speed.
- Diagnosed and resolved distributed system failures across networking, storage, and Kubernetes scheduling using kubectl and log analysis, minimizing downtime and ensuring SLA compliance.

Nutrino Tech Systems | Site Reliability Engineer

Oct 2019 - Dec 2021

- Built Azure DevOps CI/CD platforms supporting containerized microservices, reducing deployment cycle times by approximately 50%.
- Containerized application workloads using Docker, increasing release frequency by five times.
- Integrated AppDynamics monitoring solutions to improve application observability and production troubleshooting capabilities.
- Automated deployment and operational workflows with Bash scripts, ARM Templates, and Kubeadm, reducing manual setup time by 40%, improving release consistency, and enabling faster scaling of environments.

CERTIFICATIONS

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

EDUCATION

Savitribai Phule Pune University | Bachelor of Engineering, Computer Science

2019