

SWARUP PUVVADA

AI-ENABLED DEVOPS ENGINEER
SRE AND PLATFORM SPECIALIST



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Hyderabad, India



EDUCATION

Bachelor of Science (B.Sc)
B.V.R.I.C.E, Bhimavaram, AP

CERTIFICATIONS

- AI-102 : Azure AI Engineer Associate
- AI-900 : Azure AI Fundamentals
- GH-300 : GitHub Advanced Security
- GH-200 : GitHub Copilot
- GH-900 : GitHub Foundations
- AZ-104 : Microsoft Azure Administrator
- AZ-400 : Microsoft DevOps Engineer Expert
- AZ-700 : Azure Network Engineer Associate

LANGUAGES

- English
- Hindi
- Telugu

HOBBIES

- Building apps
- Blogging
- Numismatics
- Travelling
- Film Making
- Cooking

VISA

US B1 Visa (Valid till 2030)

PROFILE SUMMARY

AKS-focused DevOps and Site Reliability Engineer with 15+ years of experience building and managing secure, scalable, and highly available Azure platforms. Skilled in Kubernetes (AKS), Helm deployments, Terraform, Bicep, Docker, and CI/CD pipelines using Azure DevOps and GitHub Actions. Experienced in monitoring and observability using Prometheus, Grafana, Splunk, Dynatrace, and Azure Monitor. Strong knowledge of DevSecOps, GitOps, RBAC, Azure Key Vault, ArgoCD, and Flux. Proven ability to improve platform reliability, automate infrastructure, handle production incidents, and lead cross-functional teams in enterprise environments.

15+ Years in SRE

8+ Years in DevOps

10+ Years in Azure

6+ Years in AKS

1+ Years in AI

PROFESSIONAL EXPERIENCE

DevOps Lead

JAN 2017 - PRESENT

Applied Information Sciences, Hyderabad

GEICO

Windcreek

WTW

FM

- Led DevOps & SRE delivery for large-scale Azure SaaS applications across enterprise clients.
- Designed, deployed, and operated production AKS clusters with upgrades, scaling, backups, and day-2 reliability operations.
- Implemented multi-environment IaC using Terraform and Bicep with reusable modules, workspaces, and remote state best practices.
- Collaborated with development teams to containerize workloads and standardize Kubernetes manifests and Helm charts.
- Implemented observability and alerting with Prometheus, Grafana, Splunk, and Dynatrace to improve platform visibility.
- Enforced Kubernetes security controls including RBAC, policy guardrails, and secure secret management practices.
- Led on-call incident response and reliability improvements, reducing MTTR for production services.
- Implemented GitOps delivery workflows using ArgoCD and Flux, standardizing Helm chart-based deployments across AKS environments with automated sync, rollback, and drift detection.
- Architected multi-region highly available Azure environments and led on-premises to cloud migration initiatives.

Senior Server Administrator

DEC 2015 - JAN 2017

NTT Data Global Delivery Services, Bangalore

Morgan Stanley

- Supported enterprise cloud and hybrid infrastructure operations with a strong focus on Azure
- Implemented monitoring and alerting standards to improve early detection of service degradation
- Handled incident triage, escalation, and service recovery activities while maintaining SLA
- Managed IIS-hosted applications across virtualized and cloud environments
- Performed performance tuning and reliability optimization for critical workloads
- Collaborated with application, database, and infrastructure teams to resolve cross-stack issues

System Administrator

MAY 2011 - DEC 2015

Pike Solutions, Hyderabad

EDF Energy

SECU

Omega

- Administered on-premises Windows Server environments and IIS-hosted applications
- Supported Linux servers and AWS-based workloads, handling day-to-day operations, troubleshooting, and service restoration.
- Executed server patching, OS upgrades, and preventive maintenance to keep infrastructure secure
- Managed Active Directory, user provisioning & group policy updates.
- Monitored system health, capacity, and performance
- Coordinated with network and application teams during major incidents
- Delivered 24x7 production and infrastructure support

PORTFOLIO

CLOUD DELIVERY
RELIABILITY AND SCALE

DAY-TO-DAY ACTIVITIES

CI/CD Pipelines	Terraform Provisioning
Production Monitoring	AKS Administration
Scrum Calls	Change & Incident Mgmt
Documentation	Cost Optimization
Migration Activities	Automation & Scripting

KEY ACHIEVEMENTS

- Team Leadership:** Led and mentored cross-functional DevOps and platform teams, improving delivery consistency and ownership.
- AKS:** Built and stabilized production AKS platforms with standardized deployments, scaling, and operational reliability improvements.
- Azure Architecture:** Deployed Azure Landing Zones and designed scalable, secure, and governance-aligned cloud architectures for enterprise workloads.
- SRE:** Improved service reliability by implementing observability, alerting, and incident response practices that reduced MTTR.
- DevOps:** Modernized CI/CD workflows using Azure DevOps and GitHub Actions to enable faster, safer, and repeatable releases.
- AI:** Applied AI-assisted tooling for automation and operational insights to improve engineering productivity and response efficiency.

CLIENTS I WORKED



CORE SKILLS

CLOUD ARCHITECTURE <ul style="list-style-type: none">Microsoft Azure (IaaS, PaaS)Azure App ServicesAzure FunctionsAzure API ManagementAzure Networking & VNetAzure Landing ZonesMulti-Region ArchitectureCost OptimizationAWS & GCP (Exposure)	DEVOPS & CI/CD <ul style="list-style-type: none">Azure DevOpsGitHub ActionsCI/CD PipelinesYAML PipelinesRelease AutomationGit & Branch StrategiesArtifact ManagementEnvironment Gates & Approvals	SRE <ul style="list-style-type: none">SLA / SLO / SLIIncident ManagementRoot Cause AnalysisChaos EngineeringDisaster RecoveryOn-Call OperationsRunbook AutomationMTTR Reduction
OBSERVABILITY <ul style="list-style-type: none">PrometheusGrafanaSplunkDynatraceAzure MonitorAzure Application InsightsLog Analytics Workspace	CONTAINERS & AKS <ul style="list-style-type: none">DockerKubernetes (AKS)Helm ChartsArgoCD & Flux (GitOps)Kubernetes RBAC	IAC <ul style="list-style-type: none">TerraformBicepARM TemplatesRemote State ManagementAnsible
DEVSECOPS & SEC <ul style="list-style-type: none">GitHub Advanced SecuritySecret Scanning & DependabotAzure Key VaultRBAC & Policy GuardrailsCompliance & Audit	AI & MLOPS <ul style="list-style-type: none">Azure AI ServicesAzure OpenAIGitHub CopilotAI-assisted AutomationAI-driven Incident InsightsMLOps Concepts	AUTOMATION & SCRIPTING <ul style="list-style-type: none">PowerShellPythonAzure CLI & kubectlBash Scripting

PROFESSIONAL TIMELINE

A timeline of growth from foundational engineering to AI-enabled platform leadership.

2011 Joined Pike Solutions as Windows Admin	2015 Joined NTT DATA with Azure skill	2017 Joined AIS, Stepped into Devops	2020 Expanded AKS and SRE platform expertise	2025 Advanced AI-enabled DevOps transformation
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AWARDS

2014 Pike Solutions Award Infrastructure support and operational excellence.	2016 NTT Data Award Excellence in enterprise operations.
2019 OSA Award Delivery excellence and ownership.	2020 OSA Award Consistent platform reliability contribution.
2020 OSA Award High-impact execution across DevOps initiatives.	2021 OSA Award Sustained service quality and operational support.
2022 OS Award Azure operations and engineering delivery.	2022 OSA Splunk Award Observability and Splunk-driven monitoring outcomes.
2023 OSA Award Continued leadership in cloud platform execution.	2023 OSA Award Strong collaboration and delivery impact.