

SANJAY S

Senior DevOps Engineer

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EXECUTIVE SUMMARY

Senior DevOps Engineer with "**B1/B2 US Visa Holder**" **5+ years** of experience designing and operating enterprise-scale CI/CD, Kubernetes, and cloud platforms for product organizations. Proven track record of owning DevOps platforms end-to-end, driving release reliability, observability, security, and cost optimization across global teams. Trusted technical leader known for resolving high-severity production incidents, leading platform modernization initiatives, and mentoring engineers to raise DevOps maturity.

PROFESSIONAL EXPERIENCE

Senior DevOps Engineer | Aspen Technology | (Nov 2023 – Present)

- **Technical owner for DevOps and Platform engineering** across multiple mission-critical product teams, accountable for CI/CD reliability, release velocity, security posture, and platform scalability.
- **Architected and standardized enterprise CI/CD platforms** supporting **NPM, NodeJS, NuGet, Docker, and Python ecosystems**, enabling product teams to ship faster with consistent quality gates and governance.
- **Acted as escalation** owner for high-impact CI/CD failures and complex DevOps issues, resolving 100+ production-impacting pipeline and platform issues across global teams.
- **Led large-scale Perforce → GitHub (CAT & EMU) migrations** for **100+ repositories**, contributing Python automation and POCs to ensure zero-disruption transitions and secure access management.
- Contributed to an internal innovation initiative (**Aspen Chatbot**), focusing on improving DevOps productivity and operational insights through selective AI adoption.
- Designed and operated **Kubernetes-based build infrastructure**, including **GitHub Actions runners and Azure DevOps agents on AKS**, delivering scalable POCs reviewed and endorsed by **Aspen leadership** for enterprise rollout.
- **Established production-grade observability standards**, leading the deployment of **Grafana, Prometheus, and AlertManager**, and defining monitoring and alerting patterns for platforms, applications, and CI/CD systems.
- Implemented **Shift-Left** quality and engineering metrics, aggregating KPIs from **SonarQube, Azure DevOps, GitHub PRs, GHAS, and Artifactory**, now actively used by Quality and leadership teams.
- **Owned platform security and compliance initiatives**, including SSL/TLS hardening, secure Artifactory reverse-proxy architectures, secrets monitoring with Azure Key Vault, and remediation of GitHub access and token expiry risks.
- Played a **critical leadership** role during **major production incidents**, partnering with Cloud, Security, and Product leadership to restore services, communicate impact, and implement long-term preventive controls.
- **Drove cost-optimization and platform efficiency initiatives**, identifying and decommissioning unused Artifactory infrastructure, optimizing agent pools, and improving overall platform ROI.
- **Mentored and guided DevOps engineers**, setting engineering standards, reviewing designs, onboarding new team members, and elevating DevOps maturity across the organization.

Azure DevOps Engineer | Accenture | (Jan 2021 – Nov 2023)

- Managed and optimized **large-scale Azure environments** including Storage Accounts, Function Apps, Azure Data Factory, Databricks, and SQL Databases, ensuring seamless operations.
- **Orchestrated selective deployments** across various environments (**Dev, Test, UAT, Prod**) using Visual Studio, aligning release cycles with project timelines.
- Automated **ADF trigger management** and deployment orchestration, eliminating manual errors and reducing operational overhead.

- Acted as a **primary DevOps** contact for release coordination and production issues across multiple teams, ensuring delivery stability.
- Implemented **monitoring, alerting, and incident response** workflows to maintain high availability and uptime.
- Provisioned Azure infrastructure using **Terraform, ARM Templates, and PowerShell**, ensuring repeatable and compliant deployments.
- Managed **build, release, and deployment** cycles for multiple project pipelines, ensuring smooth and timely deliveries.
- Delivered **24x7 production support** for business-critical applications, ensuring rapid incident resolution and minimal downtime.
- Provided comprehensive support for **third-party tools and applications** in production environments, resolving client issues with precision and efficiency.

SKILLS

- **Cloud Platform:** Microsoft Azure (App Services, AKS, ADF, Databricks, SQL, Storage, Azure Monitor, VM, Key Vault, Dashboards, Application Insights).
- **CI/CD & Dev Productivity:** GitHub Actions (Enterprise-scale workflows), Azure DevOps, Jenkins, Reusable Pipelines, GitOps, Release Automation.
- **Containerization:** Docker, Kubernetes (AKS), Helm, Kubernetes Networking, Ingress Controllers, Secrets & ConfigMaps, Scaling & HA.
- **Observability & SRE:** Azure Monitor, Application Insights, Prometheus, Grafana, ELK Stack, SLOs, SLIs, Incident Response.
- **Infrastructure as Code:** Terraform (modules, remote state, best practices), ARM Templates, Ansible.
- **Security & Quality Engineering:** SonarQube, CodeQL, Secure Pipelines, SSL/TLS, Secrets Management, Compliance & Hardening
- **Artifactory:** JFrog Artifactory, Nexus, NPM Monorepos, Docker Registries
- **Scripting:** Python, PowerShell, YAML, Bash
- **Issue Tracking:** Jira, ServiceNow, Confluence | Agile, Scrum
- **AI / DevOps Enablement:** Selective AI adoption, LLM-based tooling exposure, MLOps fundamentals, model deployment awareness.
- **Operating Systems:** Linux, Windows
- **Version Control:** GitHub, Azure Repos

CERTIFICATES & AWARDS

- **Microsoft Azure Fundamentals (AZ-900)**
- **Microsoft Security, Compliance & Identity (SC-900)**
- **Microsoft Power Platform Fundamentals (PL-900)**
- **Microsoft Cybersecurity Award** – Accenture Azure Tech Competition
- Multiple awards and recognitions for high-impact DevOps contributions.

COURSES & CONTINUOUS LEARNING

- MLOps Bootcamp – Udemy
- MLOps Essentials: Model Deployment & Monitoring – LinkedIn
- Machine Learning with Scikit-Learn – LinkedIn
- Machine Learning with Python: Foundations – LinkedIn
- Advanced PowerShell Automation – Udemy

EDUCATION

Bachelor of Engineering, Aeronautical

Dayananda Sagar College of Engineering | Apr 2016 – Apr 2020

CGPA: 9.285