

**Chilukuri Nikhil**  
(DevOps Engineer)

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**Summary of Skills**

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- **Platform and DevOps Engineer** with 6+ years of experience designing and delivering **cloud-native, data-driven architectures** on **Azure and AWS**, with deep expertise in **Infrastructure as Code (IaC), CI/CD automation**, and secure, scalable **data platform engineering**.
- Proficient in architecting and provisioning Azure services including **Cosmos DB, Azure Data Factory, Azure Databricks, Azure Data Lake, AKS, App Services**, and **PostgreSQL**, using **Terraform, ARM templates, and Ansible** for automation and consistency.
- Hands-on in implementing **CI/CD pipelines** across development, testing, and production using **Azure DevOps, GitHub Actions, and Jenkins**, incorporating **security protocols** like RBAC, Key Vault, and vulnerability scanning tools (Rapid7, SonarQube).
- Skilled in **Python** and Shell scripting for DevOps automation including deployment orchestration, ETL automation, real-time monitoring, and performance diagnostics.
- Strong background in **SQL and NoSQL (Cosmos DB)** administration, with expertise in **schema design, MDM integration, data migration, and query performance optimization**.
- Demonstrated ability in **refactoring monolithic systems to microservices**, modernizing legacy systems using **platform engineering principles**, and implementing high-availability cloud solutions.
- Experienced in **Kubernetes-based orchestration** (AKS, EKS), with working knowledge of **Helm, RBAC policies, auto-scaling**, and secure container deployments.
- Adept in creating **modular, reusable Terraform and Ansible codebases**, enabling environment standardization and rapid provisioning across **hybrid/multi-cloud architectures**.
- Proficient in monitoring and observability using **Azure Monitor, Prometheus, Grafana**, and enforcing **security compliance** using **Rapid7, Key Vault integration, and access control policies**.

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## Technical Skills

Category	Skills
<b>Cloud Platforms</b>	Azure (AKS, App Services, Cosmos DB, Data Factory, Databricks, Data Lake, PostgreSQL, Blob Storage), AWS (EC2, RDS, S3)
<b>Infrastructure as Code (IaC)</b>	Terraform (modular & reusable automation), ARM Templates, Ansible
<b>CI/CD &amp; DevOps Tools</b>	Azure DevOps, GitHub Actions, Jenkins – end-to-end automation and security-integrated pipelines
<b>Programming &amp; Scripting</b>	Python (ETL automation, deployment, monitoring), Shell Scripting
<b>Containers &amp; Orchestration</b>	Docker, Kubernetes (AKS, EKS), Helm, RBAC, Auto-scaling, Pod Security Policies
<b>Data &amp; Integration</b>	SQL, Azure Cosmos DB, Azure Data Factory, Informatica MDM, Azure Databricks, Data Lake Storage Gen2
<b>Monitoring &amp; Security</b>	Azure Monitor, Prometheus, Grafana, SonarQube, Rapid7, Key Vault, Network Security Groups (NSG), RBAC
<b>Performance Optimization</b>	Cosmos DB indexing, query tuning, ADF pipeline optimization, scalable architecture patterns
<b>Version Control Systems</b>	GitHub, GitLab, Bitbucket
<b>Operating Systems</b>	Linux (preferred), Windows

## Professional Experience

◆ CloudOps Engineer – Eclat Health Solutions, Hyderabad  
Jan 2024 – May 2025

- Designed and maintained Azure & AWS hybrid infrastructure (AKS, App Services, PostgreSQL, Cosmos DB, Blob Storage) with IaC using Terraform, Ansible, and Helm.
- Implemented secure CI/CD pipelines with GitHub Actions and Azure DevOps, enforcing RBAC, Key Vault-based secret rotation, and federated identities via Azure AD.

- Automated provisioning of Azure Data Factory pipelines, schema initialization, and compliance modules using ARM templates and Terraform.
  - Built observability stack with Prometheus & Grafana, enabling infrastructure monitoring, alerting, and root cause analysis (RCA) of incidents.
  - Integrated Rapid7 & SonarQube into pipelines for vulnerability scanning and compliance checks, strengthening DevSecOps posture.
  - Created Python/Bash automation for deployment validation, log parsing, performance tuning, and proactive alerts.
  - Supported modernization of healthcare data pipelines using Databricks + Data Lake Gen2, improving ETL throughput and SLA adherence.
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◆ DevOps Engineer – Keyutech Pvt Ltd (Client: Informatica – MDM Project), Hyderabad  
*Sept 2022 – Dec 2023*

- Provisioned and automated Informatica MDM platform on Azure using Terraform and ARM templates, integrating Cosmos DB, PostgreSQL, and Data Lake.
  - Designed end-to-end CI/CD pipelines in Azure DevOps & Jenkins for MDM services, APIs, and microservices.
  - Automated ingestion & transformation workflows using Azure Data Factory + Databricks notebooks for large datasets.
  - Established monitoring & observability with Prometheus exporters, Grafana dashboards, and Azure Monitor, reducing MTTR for critical workloads.
  - Secured APIs via Azure API Management & Kong Gateway with token-based auth, TLS, and rate-limiting.
  - Automated compliance checks, DB backup validation, and firewall configurations via Python/Shell scripts.
  - Conducted SQL tuning & Cosmos DB indexing optimizations to improve performance.
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◆ DevOps Engineer – Sitec Technologies Pvt Ltd, Bangalore  
*Sept 2018 – Jan 2022*

- Built and maintained CI/CD pipelines in Jenkins & GitLab CI/CD, integrating static code analysis (SonarQube), unit tests, and vulnerability scanning (Rapid7).
- Configured and managed Dockerized microservices in Kubernetes (EKS/AKS), handling Helm deployments, RBAC, and node-pool scaling.
- Developed Terraform modules & Ansible playbooks for cross-cloud infrastructure provisioning (VMs, networks, IAM, storage).

- Implemented Prometheus + Grafana dashboards to monitor application KPIs (latency, error rates, resource utilization) with alerting thresholds.
  - Automated PostgreSQL/MySQL provisioning and scaling with IaC, improving query performance and HA setups.
  - Documented runbooks and operational SOPs for deployment, rollback, and incident handling, improving recovery time during outages.
  - Contributed to internal financial analytics platform migration, achieving 99.9% uptime SLA.
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#### Educational Qualification

- B.Tech – Siddhartha Institute of Technology, Hyderabad
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#### Key Highlights (Matches JD Exactly)

- Strong in CI/CD (Jenkins, GitLab, Azure DevOps) with automated builds, testing, deployments.
- Proficient in Linux administration and scripting (Python, Bash, Groovy).
- Containerization expertise with Docker & Kubernetes (Helm, Ingress, RBAC) in production.
- IaC with Terraform, Ansible, Helm, managing scalable & repeatable environments.
- Observability & RCA with Prometheus, Grafana, ELK, Azure Monitor.
- Security automation with SonarQube, Rapid7, implementing DevSecOps practices.
- Database experience with PostgreSQL & MySQL (admin, scaling, tuning).
- Documented runbooks & automation for repeatable DevOps tasks and faster incident response.

#### Educational Qualification

- B.Tech – Siddhartha Institute of Technology, Hyderabad