

N Chaitanya Kumar Reddy

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SUMMARY

- *DevOps Engineer with 2.7+ years of hands-on experience in designing and automating CI/CD pipelines, managing scalable cloud infrastructure on Microsoft Azure, and deploying containerized applications using Docker and Kubernetes.*
- *Proven expertise in infrastructure as code (Terraform, Azure CLI), monitoring (Prometheus, Grafana), and scripting (Python, Bash). Adept at Agile methodologies and cross-functional collaboration to drive continuous delivery and operational excellence.*
- *Experienced in integrating various CI/CD tools such as **Jenkins**, **GitHub Actions**, and **Artifactory** to streamline builds and deployments.*
- *Solid coding and scripting skills using SQL, Python, .Net and Bash for automation and development.*
- *Competent in Agile principles such as sprint planning, daily scrums, and release planning.*

TECHNICAL EXPERTISE

Cloud Platforms: Microsoft Azure (Azure DevOps, Azure AKS, Azure Functions, Azure App Services), AWS (EC2, S3, IAM)

IaC & Automation: Terraform, Azure CLI, ARM templates

CI/CD Tools: Jenkins, GitHub Actions, GitLab, Nexus Artifactory

Containers: Docker, Kubernetes (AKS), Helm

Monitoring Tools: Prometheus, Grafana, ELK Stack (Elasticsearch, Logstash, Kibana)

Programming Languages: Python, Bash, .Net

Version Control: Bitbucket, GitHub

Other Tools: Postman, JIRA, Service Now, Agile

WORK EXPERIENCE

LTIMindtree – Chennai

Software Engineer

June 2024 – Present

- *Managed and supported 14+ enterprise-grade applications, reducing downtime by 30% through proactive monitoring and automation.*
- *Improved deployment speed by 40% by optimizing CI/CD pipelines using GitHub Actions and Jenkins.*

- Automated multi-environment deployments using Docker and Ansible, reducing manual errors by 80% and enabling consistent rollout across Dev, UAT, and QA stages.
- Designed and implemented branching strategies for GitHub repositories to manage code efficiently.
- Built **Grafana** dashboards and configured **Prometheus** alerts to detect memory leaks in **AKS** pods, reducing incident response time by 50%.
- Worked on **local development setup**, optimized **business logic**, and implemented **smart search functionality** for enhanced user experience.
- Migrated reports from **SSRS to Power BI**, improving reporting and data visualization capabilities.
- Designed Terraform modules to provision Azure infrastructure (VMs, storage, networking) with environment-specific configurations, enabling reproducible and scalable deployments across dev and prod.

AVIDEX Infotech Private Limited - Chennai

Associate Software Engineer

April 2023 – June 2024

- As a DevOps Engineer, I specialized in implementing CI/CD pipelines to automate software development, testing, and deployment, ensuring seamless integration and delivery.
- I played a crucial role in optimizing workflows, enhancing efficiency, and maintaining high software quality.

KEY PROJECTS

Cloud Deployment Automation

- Used **Terraform** and **Azure CLI** to automate the provisioning of VM instances, storage accounts, and networking in Azure.
- Designed and integrated **containerized microservices** with Kubernetes clusters on Azure AKS.

CI/CD Pipeline Optimization

- Automated testing and deployment workflows for Java-based applications using **Jenkins** and integrated **SonarQube** for code quality checks.
- Built a GitHub Actions pipeline with environment-specific secrets and rollback logic, reducing failed deployments by 60%.
- Led efforts to **deprecate CAI modules**, replacing them with scalable solutions for improved system performance.

EDUCATIONAL QUALIFICATION

Bachelor of Engineering – Computer Science and Engineering.

Lovely Professional University, Punjab

2019 - 2023