**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