**N Chaitanya Kumar Reddy**

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**SUMMARY**

* Data Engineer with 3+ years of experience in building data pipelines, automating data workflows, and managing cloud infrastructure on Azure and AWS. Proficient in SQL, Python, and big data technologies, with a solid foundation in DevOps and CI/CD practices. Adept at transforming raw data into meaningful insights through ETL design, pipeline optimization, and data visualization tools.
* Hands-on with cloud-native services (Azure Data Factory, AWS S3, EC2), container orchestration (Kubernetes), and infrastructure as code (Terraform, Azure CLI). Passionate about solving complex data problems and enabling data-driven decisions through scalable and reliable data systems.
* 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**: *Azure (Data Factory, Synapse, AKS, App Services), AWS (S3, EC2, IAM)*

***IaC & Automation****: Terraform, Azure CLI, ARM templates*

**Data Engineering:** *Azure Data Factory, SQL, Power BI, Python (Pandas, NumPy), Spark*

**ETL & Pipelines:** *Azure Data Factory, Jenkins, GitHub Actions*

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

**Programming Languages**: *Python, Bash, .Net*

**Version Control**: *Bitbucket, GitHub*, *Postman*

**WORK EXPERIENCE**

**LTIMindtree – *Chennai*   
*Software Engineer   
June 2024 – Present***

* *Automated data ingestion pipelines using Azure Data Factory and Python scripts to handle structured and semi-structured data from APIs and blob storage.*
* *Migrated reports from SSRS to Power BI, enhancing dashboarding and self-service analytics.*
* *Supported and monitored 14+ applications, building Grafana dashboards with Prometheus for data performance metrics.*
* *Developed reusable Terraform modules for provisioning Azure resources (VMs, Storage, Networking) to support data workloads.*
* *Optimized CI/CD pipelines for data deployment, improving release cycles by 40%.*
* *Improved data transformation performance by optimizing SQL and Python logic in ETL flows.*

**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**

* *Built and maintained data pipelines using Jenkins and Python for ingesting data into SQL-based systems.*
* *Created environment-specific CI/CD workflows integrating SonarQube, GitHub Actions, and testing automation.*
* *Managed versioned deployments of data pipelines and microservices using Docker and Helm on AKS.*
* *Wrote SQL queries and Python scripts for data wrangling, reporting, and monitoring purposes.*

***CI/CD Pipeline Optimization***

* *Created scheduled data workflows using Azure Data Factory with branching logic and error handling.*
* *Replaced legacy SSRS reports with Power BI dashboards; optimized DAX queries and created role-level access filters.*
* *Integrated Prometheus and Grafana to monitor Kubernetes-based data applications; reduced incident detection time by 50%.*

**EDUCATIONAL QUALIFICATION**

**Bachelor of Engineering** – Computer Science and Engineering.

Lovely Professional University, Punjab

2019 - 2023