

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