Pasupuleti Mohan Ravi Teja

Data Engineer

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# Professional Summary

Data Engineering professional with hands-on, end-to-end expertise in Apache NiFi and Apache Druid, including flow design, deployment, and real-time analytics. Skilled in managing and configuring cloud platforms such as AWS and Azure, with a strong understanding of DevOps tools and practices. Proficient in installing and clustering open-source technologies like Apache NiFi, Druid, and PostgreSQL, ensuring high availability and performance. Experienced in using data visualization tools to deliver actionable insights and support data-driven decision-making. Currently pursuing Microsoft Fabric certification, expected to complete by July 2025.

# Work Experience

**Job Title:** ETL Developer

**Company:** EverestDX Pvt. Ltd., Hyderabad, India

**Duration:** June 2021 – June 2024

- Designed and implemented complex data ingestion pipelines using Apache NiFi, enabling seamless integration of structured and unstructured data from diverse sources.  
- Built and maintained real-time analytics solutions using Apache Druid, achieving sub-second query performance on large-scale datasets.  
- Developed and optimized Druid ingestion specifications for both batch and streaming data, improving segment granularity and query efficiency.  
- Applied data roll-up and indexing strategies in Druid to minimize storage usage and enhance query speed.  
- Created advanced SQL queries and stored procedures to support ETL workflows and generate business-critical reports.  
- Integrated relational databases with big data tools like NiFi and Druid, enabling hybrid data processing architectures.  
- Administered and fine-tuned PostgreSQL databases, including schema design, indexing, query optimization, and replication setup.  
- Automated database backup, recovery, and monitoring processes to ensure data integrity, availability, and operational continuity.

**Job Title:** Site Reliability Engineer (SRE)

**Company:** EverestDX Pvt. Ltd., Hyderabad, India

**Duration:** June 2024 – Present

- Deploy APIs and user interfaces (UI) across staging and production environments.  
- Participated in production releases, ensuring smooth rollouts and minimal downtime.  
- Installed required tools and configured environments for new setups and services.  
- Perform new software installations and configure infrastructure for seamless operations.  
- Conduct application monitoring and log analysis to proactively detect and resolve issues.  
- Set up new environments and manage infrastructure provisioning.  
- Actively involved in production releases, ensuring smooth rollouts and post-deployment stability.  
- Improved system uptime by 25% and reduced Mean Time to Detect (MTTD) by 30% through optimized alerting, notification systems, and root cause analysis.  
- Collaborated closely with development teams to implement reliability-focused design changes, fostering a culture of shared ownership and continuous improvement.  
- Developed and implemented custom shell scripts to automate routine system tasks.  
- Created and managed essential Kubernetes resources, including Pods, Deployments, ReplicaSets, and StatefulSets, ensuring smooth application deployment and scaling. Utilized Kubernetes resources to manage application lifecycle, improving application reliability and uptime.

# Education

**Degree:** Bachelor of Technology (B.Tech) in Computer Science

**Institution:** Jawaharlal Nehru Technological University (JNTU), Kakinada – Andhra Pradesh, India

**Duration:** 2015 – 2018

# Projects

**Project:** 1. Pepsico – ETL Developer

**Duration:** 2 Years

**Overview:** Cloud cost, resource and Insightone NiFi flow creation and maintenance.

- Designed and implemented end-to-end data pipelines using Apache NiFi.  
- Created and managed destination tables in the data warehouse.  
- Automated NiFi flows to streamline data ingestion and transformation processes.

**Project:** 2. Thermo Fisher – ETL Developer

**Duration:** 1 Year

**Overview:** Cloud cost and resource NiFi flow creation and maintenance.

- Developed complete NiFi workflows for AWS cost ingestion.  
- Designed and maintained data warehouse schemas.  
- Automated data flows to ensure efficient and reliable data processing.

**Project:** 3. Ausiytic - ETL Developer (Internal Project)

**Overview:** A real-time server monitoring and health index tracking system.

- Set up and monitored live server metrics and health indicators.  
- Installed required tools, analyzed logs, and ensured application uptime.  
- Actively involved in issue resolution and production support with minimal latency.

# Skills

- Programming Languages: Python, SQL  
- Tools & Technologies: Apache NiFi, Apache Druid, Power BI (basic knowledge)  
- Cloud Services: AWS, Azure  
- DevOps Tools: Docker, Jenkins, Kubernetes and Git  
- Databases: PostgreSQL  
- Monitoring & Observability: Prometheus, Grafana, various open-source tools  
- Soft Skills: Excellent collaboration, effective communication, strong problem-solving, leadership, and knowledge sharing

# Certifications

- Microsoft Fabric Certification – In Progress (Expected completion: July 2025)