

Narsimha Chellaboina

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EDUCATION

Osmania University

Bachelor of Computer Science

Hyderabad, TS

June. 2017 – jan 2021

EXPERIENCE

Mouri Tech — Software Developer(Full Stack)

Project Name: ATD Master Project, Client - American Tire Distributors

Software Engineer

Nov 2022 – Present

Hyderabad, TS

- Developed 2 reusable Python templates supporting both Kafka-to-Kafka and Kafka-to-Mongo pipelines, enabling standardized and efficient stream processing across multiple use cases.
- Integrated Prometheus metrics into 10+ pipelines, enhancing observability and accelerating incident detection by 30%.
- Configured and optimized existing Grafana dashboards to monitor key metrics for all active Kafka pipelines, improving visibility into system performance without duplicating dashboard effort.
- Monitored 24x7 systems using Grafana Loki, Confluent Control Center, Offset Explorer, and MongoDB, maintaining 99.95% uptime and fulfilling SRE responsibilities.
- Resolved 50+ production incidents, shortening recovery time by 45% through effective root cause analysis and prompt intervention.
- Led migration of 20+ workflows from Spring Cloud Data Flow (SCDF) to Python-based pipelines, cutting infrastructure costs by 75% and improving maintainability.
- Tech stack: Python, Kafka, MongoDB, Prometheus, Grafana, Loki, SCDF, Confluent Platform.

Project Name: AI Translation HUB, Client - Stanley Black & Decker

Software Engineer

Hyderabad, TS

- Implemented Azure AI Document Translator REST API, enabling multilingual support across 10+ business units and improving global team collaboration.
- Automated document management workflows by developing an Azure Function App, resulting in a 30% improvement in operational efficiency.
- Designed and deployed a microservices architecture, enhancing system scalability and reducing deployment downtime by 40%.
- Optimized database queries and performed in-depth API analysis, accelerating data retrieval by 25% and improving overall system reliability.
- Resolved 30+ high-priority issues monthly using Azure Application Insights, ensuring continuous availability of translation services.
- Engaged with stakeholders to gather requirements, address queries, and ensure project deliverables met client expectations.
- Tech stack: Python, Django REST Framework, Azure (API Apps, Function Apps, PostgreSQL, Application Insights), Microservices architecture.

Project Name: Client Requisition Tracker, Client - Mouri Tech

Software Engineer

Hyderabad, TS

- Built an email thread API using `exchangelib` for Outlook integration, improving communication for 5 departments.
- Created a Data Filter API (ORM-based) to track project and employee statuses, powering real-time insights for Power BI dashboards.
- Implemented robust data validation and serialization using `Pydantic`, reducing runtime errors by 60% and ensuring clean API responses.
- Created a CI/CD pipeline and automated AWS deployments using GitHub Actions, Docker, and ECS, reducing deployment errors by 70%.
- Tech stack: Python, FastAPI, AWS (ECR, ECS, PostgreSQL, CloudWatch), React.js.

Project Name: Solix Data Archiving, Client - Stanley Black & Decker*Python Developer**Hyderabad, TS*

- Migrated 200K+ records from SQL Server to MySQL via `pyodbc` and `mysql.connector`, reducing downtime by 75%.
- Restructured database schemas for compatibility, achieving 100% data integrity post-migration.
- Utilized Solix Tool for database analysis, improving query performance by 25%.
- Tech stack: Python, Solix, MSSQL, MySQL, AWS.

TECHNICAL SKILLS

Programming Languages: Python, JavaScript**Web Frameworks:** Django, Flask, FastAPI, React**Databases:** MySQL, MongoDB (NoSQL)**Cloud Platforms:** AWS (EC2, S3, Lambda, ECS, EKS), Azure (Web Apps, Function Apps, Application Insights, Azure DevOps)**DevOps & Tools:** Git, CI/CD, Docker, Kubernetes, Anaconda**Data & Streaming:** Kafka, Data Streams, ETL, Offset Explorer, Grafana, Pandas**Libraries & Utilities:** Pydantic**Core CS:** Data Structures, Algorithms**ACHIEVEMENTS & AWARDS**

- Earned a 4-star Gold Badge on HackerRank in Python.
- Winner of AI.4 Hackathon at MouriTech — secured 1st place among 10 competing teams.
- Successfully led a team of four in delivering a full-cycle software project.
- Completed AWS Partner: Cloud Practitioner Essentials (2023) and Docker Essentials certifications.