

Narasimharao Bhavirisetty

Software Engineer • Backend & Data Engineering

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LinkedIn • GitHub • Portfolio

Professional Summary

Software Engineer with 1.7+ years of experience building event-driven backend systems and real-time data platforms using Python, Kafka, PyFlink, ClickHouse, and Redis. Experienced in designing distributed streaming pipelines, analytics systems, and data processing frameworks handling 50K+ daily events. Delivered measurable improvements in data quality, extraction accuracy, observability, and operational efficiency across fintech and document-processing platforms.

Technical Skills

- **Languages:** Python, Java, SQL
- **Frameworks & Tools:** Flask, Docker, Kubernetes, Git, Linux, Postman
- **Databases:** ClickHouse, Redis, PostgreSQL, MySQL, MSSQL
- **Stream Processing:** Apache Kafka, Redpanda, PyFlink
- **Observability:** Grafana, Loki, Tempo
- **Concepts:** REST APIs, Microservices, Distributed Systems, Event-Driven Architecture, Stream Processing, Data Modeling, OOP, Agile, SDLC

Professional Experience

Software Engineer

December 2025 – May 2026

Spizen Technologies (CLR3 Ventures), Bangalore, India

Tech Stack: Python, Kafka, PyFlink, ClickHouse, Redis, Grafana, Loki, Tempo

- Designed and implemented event-driven data pipelines using Kafka, PyFlink, ClickHouse, and Redis to process 50K+ daily trading events and power real-time analytics and investment intelligence workflows.
- Developed stream-processing jobs with validation and deduplication logic, improving downstream data quality and reducing duplicate event ingestion by 95%.
- Built classification and scoring systems to evaluate trading behavior, identify anomalous activity, and generate real-time intelligence signals for analytics workflows.
- Instrumented distributed services with Grafana, Loki, and Tempo, enabling end-to-end observability, structured log analysis, and faster production debugging.

Software Engineer

September 2024 – December 2025

Algonox Technologies Pvt Ltd, Hyderabad, India

Tech Stack: Python, Flask, Pandas, Scikit-learn, MSSQL

- Built a document template identification engine using Python, Pandas, Scikit-learn, and cosine similarity techniques, improving extraction accuracy by 40% and reducing manual template mapping effort.
- Developed multi-layered validation systems to clean, normalize, and reconcile noisy unstructured document data at scale.
- Built an automated email notification microservice for file queue transitions and SLA failure alerts, reducing manual monitoring overhead and improving response time.
- Developed KPI reporting modules tracking extraction accuracy and manual intervention rates, enabling data-driven reviews and reducing manual QA effort by 20%.

Education

B.Tech in Computer Science • Tirumala Engineering College, Narasaraopet 2020 – 2024 CGPA: 7.86/10

Intermediate (MPC) • Bhavana Junior College, Narasaraopet 2018 – 2020 CGPA: 9.46/10

SSC • Sindhu High School, Narasaraopet 2017 – 2018 CGPA: 10/10

Certifications

- Craft Precise Prompts for AI Models – IBM
- Microsoft Certified: Azure AI Fundamentals (AI-900)