

Saquib Akhtar Aneesur Rahman

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Professional Summary:

Backend Engineer with **3.5+ years of experience** building **scalable, event-driven microservices and real-time data pipelines** for enterprise-scale systems. Strong proficiency in **Java, Python, Spring Boot, Apache Kafka, and FastAPI**, with hands-on experience deploying and operating services on **Docker and Kubernetes** through **automated CI/CD pipelines (Azure DevOps)**. Experienced in designing **robust REST APIs**, implementing **data validation and transformation frameworks**, and working with **Oracle and PostgreSQL** in high-volume environments. Demonstrated ownership across the **full software lifecycle**, from architecture and development to production deployment and operational support. Passionate about building reliable distributed systems and deepening expertise in **cloud-native infrastructure**.

Education:

Bachelor of Engineering in Computer Engineering

MET BKC Institute of Engineering, Nashik | **CGPA: 9.61 (July 2022)**

Work Experience:

Digital Specialist Engineer L1

Infosys (Pune) / Jul 2022 – Present

- Owned and delivered **large-scale, event-driven data integration systems** for a global enterprise client (PepsiCo), streaming **shipment, trailer, and load events** across distributed supply-chain platforms using **Java, Spring Boot, Apache Kafka, and CDC**.
- Architected and implemented **high-throughput SAP-to-Kafka pipelines**, reliably processing **1M+ records** and enabling multiple downstream consumers with **low latency and fault-tolerant guarantees**.
- Designed and built **stateless, scalable microservices** to transform, validate, and enrich heterogeneous enterprise data before publishing to external and internal APIs.
- Led the design and development of a **real-time Warehouse Operations Dashboard**, aggregating data from globally distributed warehouse systems to improve **operational visibility, incident detection, and response time**.
- Developed **data aggregation and quality frameworks** using **Python, FastAPI, Pandas, and NumPy**, improving data accuracy, consistency, and auditability across enterprise workflows.
- Deployed and operated services on **Kubernetes (AKS)** using **Docker**, implementing **automated CI/CD pipelines in Azure DevOps** to support frequent, low-risk releases.
- Took **end-to-end ownership** of production systems, including **architecture, deployment, monitoring, and post-release hypercare**, proactively resolving Kafka lag, API failures, and data inconsistencies.
- Partnered directly with **client stakeholders, QA, and DevOps teams** to gather requirements, design APIs and schemas, and deliver solutions aligned with business-critical SLAs.
- Mentored engineers and contributed to **technical decision-making** within Agile teams, driving high standards for code quality, reliability, and operational excellence.

Flutter Developer

Inerton (Remote) / Aug 2021 – Jan 2022

- Built Android applications and developed reusable Flutter packages from scratch.
- Led UI enhancements for textile industry apps, boosting user experience and operational communication.

Projects:

EAIGLE Integration (Pepsico) | Java, Springboot, Apache Kafka, Cosmos, Kubernetes, Azure Devops

- Designed and implemented a real-time data integration pipeline to stream trailer, load, and shipment data from multiple Supply Chain Hub systems to EAIGLE APIs using Kafka and CDC.
- Implemented Change Data Capture (CDC) on source tables and developed Kafka producers/consumers to ensure reliable, near-real-time event-driven data processing.
- Built Spring Boot microservices to transform, validate, and enrich data, mapping heterogeneous source systems to EAIGLE's standardized API contracts.
- Integrated with EAIGLE REST APIs, implementing retry, error handling, and idempotency mechanisms, and managing failures via Kafka DLQ topics.
- Containerized services using Docker and deployed to Kubernetes (AKS) with automated CI/CD pipelines in Azure DevOps for seamless multi-environment releases.

- Managed production deployments and hypercare support, monitoring Kafka lag, API failures, and data consistency issues to ensure stable post-release operations.

SAP to Kafka Integration (Pepsico) | Java, Springboot, Apache Kafka, MSSQL, Docker, Kubernetes, Azure Devops

- Led the SAP to Kafka integration project as the technical lead, architecting and guiding the development of a scalable data pipeline using Spring Boot and Apache Kafka, with seamless integration to SAP PI/PO systems.
- Enabled reliable and efficient streaming of over 1 million records from SAP into Kafka topics, powering multiple real-time consumers and downstream services with enhanced performance and fault tolerance.
- Managed end-to-end deployment of the application into production and provided hypercare support post-release to ensure smooth operation and timely issue resolution.
- Containerized microservices using Docker and orchestrated deployments via Kubernetes, leveraging Azure DevOps for CI/CD automation and environment management.

Warehouse Dashboard (Pepsico) | Java, Springboot, Python, FastAPI, Pandas, Oracle, Docker, Kubernetes, Azure Devops

- Designed and co-architected a real-time Warehouse Dashboard system to monitor deployment statuses, track errors, and integrate data from multiple decentralized warehouse systems. Took ownership of API design, database schema creation, and overall system architecture.
- Developed a cron-based data aggregation service to pull picking and delivery updates from all warehouse locations into a centralized table, enabling near real-time tracking of warehouse operations.
- Implemented an automated alert mechanism to send email notifications when any warehouse app was stuck processing orders, ensuring faster detection and resolution of operational bottlenecks.
- The dashboard became a mission-critical tool for the global app sustain team, significantly improving visibility and response time for incident management across all warehouses.
- Containerized microservice using Docker and orchestrated deployments via Kubernetes, leveraging Azure DevOps for CI/CD automation and environment management.

Data Validation Suite (Pepsico) | Python, Pandas, Numpy

- Designed a customizable data validation and translation suite to ensure consistency across disparate databases, incorporating automated logic and detailed reporting for unconvertible or mismatched data, significantly improving data accuracy and traceability.

Badli (Inerton) | Flutter, Springboot, MongoDB

- Contributed to the development of Badli, a socially impactful app built to help daily wage textile workers quickly find job opportunities.
- Played a key role in designing an intuitive and user-friendly Flutter UI tailored for a non-technical audience, while also supporting core app functionality and providing minor contributions to the Spring and MongoDB-based backend.

Wage Wise | Flutter, Isar DB

- Developed a streamlined desktop app tailored for textile sizing businesses, enabling simplified and accurate bill calculations.
- Delivered a seamless user experience designed specifically for local industry workflows.
- Contributed significantly to UI design and core functionality development.
- Implemented subscription validation mechanisms to ensure authorized usage and licensing compliance.

Drop Shadow Image Package | Dart

- Opensource flutter package for drop shadow image effect with customizable styling.

AI Traffic Management System | Python, C#, Unity

- Simulated real-world traffic scenarios employing reinforcement learning algorithms.
- Adaptively controlled traffic signals and optimized routing strategies to alleviate congestion.
- Achieved a 35% improvement in overall traffic flow efficiency.

Technical Skills:

- **Programming Languages:** Java, Python, Dart, C++, C#, JavaScript
- **Frameworks:** Spring Boot, FastAPI, Flask, Kafka, Pandas, Numpy, Flutter, .NET
- **Databases & Data Engineering:** MySQL, SQL Server, MongoDB, Postgres, ETL, Real-Time Data Processing, Data Pipeline
- **DevOps & Infrastructure:** Docker, Kubernetes, Azure DevOps (CI/CD)

- **Tools and Platforms:** Git, Jira, GitHub, Bitbucket, Postman, Analytics with Firebase, IntelliJ, Android Studio
- **API & Architecture:** RESTful API, Microservices, System Architecture, Data Engineering
- **AI Tools:** Github Copilot, Microsoft Copilot, Antigravity Agents
- **Other Skills:** Estimation, Design & Development, Jenkins, Gradle, Maven, OAuth, JWT, SDLC, Firebase, Agile, Waterfall model, Prompt Engineering
- **Spoken Languages:** English, Marathi, Urdu, Hindi

Certifications:

- Google Professional Data Analytics - Coursera
- Accelerated Computer Science Fundamentals - Coursera
- Python, Java, SQL - HackerRank
- Power BI Workshop - Office Master

Awards and Achievements:

- Outstanding rating - For 2023/24 Performance Cycle and 2024/2025 Performance Cycle
- Infosys Rise Awards - For Exceptional Performance (Feb 2025)
- Pepsico Accounts Award - Exceptional Performance (Feb 2024)
- Infosys Insta Awards - For Good Performance & Re-skilling (Jan 2024)
- GATE 2022 - Qualified with AIR 10918 (Score: 337/1000)