# Saquib Akhtar Aneesur Rahman

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Mumbai, India

## 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 applications**, improving **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 **Supply Chain Hub systems** to **EAIGLE APIs** using **Kafka and CDC**.
- Implemented **Change Data Capture (CDC)** and built **Kafka producers/consumers** for **near-real-time event processing**.
- Developed **Spring Boot microservices** for **data transformation, validation, and enrichment**, mapping to **EAIGLE-standardized API contracts**.
- Integrated with **EAIGLE REST APIs**, implementing **retry logic, idempotency, and DLQ-based error handling**.
- Deployed services on **Kubernetes (AKS)** using **Docker** with **Azure DevOps CI/CD pipelines**.
- Managed **production releases and hypercare**, monitoring **Kafka lag, API failures, and data consistency**.

**SAP to Kafka Integration (Pepsico)** | *Java, Springboot, Apache Kafka, MSSQL, Docker, Kubernetes, Azure Devops*
- Acted as **technical lead**, architecting a **scalable SAP-to-Kafka streaming pipeline**.
- Enabled ingestion of **1M+ records** from SAP into Kafka, powering **real-time downstream consumers**.
- Owned **end-to-end deployment and post-release hypercare**.
- Implemented **Dockerized deployments** and **Kubernetes orchestration** via **Azure DevOps CI/CD**.

**Warehouse Dashboard (Pepsico)** | *Java, Springboot, Python, FastAPI, Pandas, Oracle, Docker, Kubernetes, Azure Devops*
- Co-architected a **real-time warehouse monitoring dashboard** integrating **decentralized warehouse systems**.
- Owned **API design, database schema, and system architecture**.
- Built **cron-based aggregation services** for **near-real-time operational tracking**.
- Implemented **automated alerting**, significantly improving **incident response time**.
- Delivered a **mission-critical platform** for the **global app sustain team**.

**Data Validation Suite (Pepsico)** | *Python, Pandas, Numpy*
- Designed a **customizable data validation and translation framework**, improving **data accuracy, consistency, and traceability** across disparate databases.

**Badli (Inerton)** | *Flutter, Springboot, MongoDB*
- Contributed to a **social-impact platform** helping **daily wage textile workers** find jobs.
- Designed a **user-friendly Flutter UI** for **non-technical users** and supported backend features.

**Wage Wise** | *Flutter, Isar DB*
- Built a **desktop billing application** for **textile sizing businesses**.
- Implemented **subscription validation** and delivered **industry-specific UX workflows**.

**Drop Shadow Image Package** | *Dart*
- Published an **open-source Flutter package** for customizable **drop-shadow image effects**.

**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:** MySQL, SQL Server, MongoDB, Postgres
- **Data Engineering:** ETL, Real-Time Data Processing, Data Pipeline
- **DevOps:** Docker, Kubernetes, Azure DevOps (CI/CD)
- **Architecture:** Microservices, REST APIs, Distributed Systems
- **Tools:** Git, Jira, Postman, IntelliJ, Android Studio
- **AI Tools:** GitHub Copilot, Microsoft Copilot
- **Methodologies:** Agile, SDLC, OAuth, JWT
- **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** - 2023/24 & 2024/25 Performance Cycles
- **Infosys Rise Awards** - Exceptional Performance *(Feb 2025)*
- **Pepsico Accounts Award** - Exceptional Performance *(Feb 2024)*
- **Infosys Insta Awards** - Re-skilling & Performance *(Jan 2024)*
- **GATE 2022 Qualified** - AIR 10918 (Score: 337/1000)