PRASHANT KHARCHE

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SUMMARY

Software Engineer with experience building **real-time streaming pipelines (Kafka, PySpark)** and enterprise workflow applications. Strengths include **data validation, debugging via logs**, and development tooling (**Git, VS Code**).

EXPERIENCE

Software Engineer

LTIMindtree   **December 2024 – Present**

- Built and enhanced Citi Ops Portal, a web application that streamlines employee lifecycle transactions in the CITI account supporting initiation and tracking of **BGV & onboarding, transfers, AQM, and offboarding** workflows to improve operational efficiency and compliance.
- Developed end-to-end workflow screens and APIs enabling **transaction initiation, approval document uploads, and report generation**, ensuring transparency and audit-ready processing across employee lifecycle stages.
- Collaborated within a 6-member team to implement secure, scalable modules using **Angular (10+), Java, Spring Boot, MySQL, JWT, REST APIs**, and improved quality via **JUnit/Selenium**-based test coverage and validation.

PROJECTS

Real-Time Credit Card Fraud Detection   **September - 2025**

- Built a **real-time streaming data pipeline** that ingests credit card transactions via **Apache Kafka**, processes events using **PySpark Structured Streaming**, and serves fraud decisions/alerts through **Spring Boot REST APIs** for downstream monitoring/consumption.
- Implemented **feature extraction + rule-based/statistical anomaly checks** on live streams with a focus on **data integrity and consistent event processing**, enabling quick identification of suspicious patterns.
- Strengthened **reliability + troubleshooting** by using **Spark checkpointing** for recovery and leveraging **PySpark/Spark application logs (Log4j-based logging configuration)** to debug streaming failures and validate pipeline behavior; iterated using **Git, VS Code, Postman**.

TECHNICAL SKILLS

Programming Languages: Java, **Python,** PySpark, SQL, JavaScript, TypeScript
Backend: Spring, Spring Boot, RESTful Web Services/APIs, OOP, JWT, Hibernate
Frontend: HTML5, CSS3, **Angular20**
Messaging/Streaming: Apache Kafka, Apache ActiveMQ
Big Data / Data Processing: PySpark(Structured Streaming), Pandas, Jupyter
Databases / DBMS: MySQL, DBMS, PostgreSQL, JDBC
Operating System: Windows, Ubantu/Linux (basics)
Tools for Ops & Debugging: Git/GitHub, VS code, Postman, IntelliJ IDEA, log4j, Maven, Swagger

CERTIFICATIONS

Oracle Certified Professional: Java SE 11 Developer (OCJP)   **January - 2025**

EDUCATION

Bachelor of Engineering in Information Technology   **2020 - 2024**
Sinhgad Institute of Technology   7.78 CGPA
Savitribai Phule Pune University

Higher Secondary Education (12th)   **2019 - 2020**
New English Junior College   74.59%
Higher Secondary School Certificate