

# RHEA D'SOUZA

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## Professional Summary

Software performance analyst with 3.7 years of professional experience in performance engineering, requirement gathering and analysis using JMeter and PL/SQL in Payments Screening banking applications. I'm currently leading a team of 4 testers and have worked on 38 Sanctions deliverables.

<b>Analysis:</b>	PL/SQL, Tableau, Microsoft Excel
<b>Programming:</b>	Java, C, Unix commands knowledge
<b>Performance Testing:</b>	Apache JMeter, LoadRunner, HP Performance Center, AppDynamics, ELK, Ganglia, Grafana, InfluxDB
<b>Other Tools:</b>	JIRA, AgileCentral, Confluence, ServiceNow, Jenkins, IBM MQ, Apache Kafka, OpenShift, Eclipse, IntelliJ
<b>Certificates:</b>	Google Data Analytics Professional Certificate, Data Analytics in R

## WORK EXPERIENCE

### Barclays Global Service Centre, Pune

Aug 2020 - Present

#### Performance Test Lead (BA4)

May 2023 – Present

- Trained, leading and mentoring a team of 4 performance test analysts.
- Interviewed 14+ candidates for non-functional testing roles.
- Implemented gap analysis for production vs. NFT environment and presented to stakeholders to decide on year-on-year growth planning.
- Conducted Payments volumetric analysis including top 5 peak days, peak hourly breakup, source system and message format wise, etc. views using SQL and Excel.
- Constructed detailed SQL queries that calculates the Transactions per second(TPS), response times, hit rate for payments.
- Developed an automated Audit database housekeeping utility using Java and SQL resulting in savings of 2 person-days(PDs) per use.
- Directed walkthrough of NFT results and presented insightful recommendations to senior management and stakeholders, enabling data-driven go-no go decisions on project viability.

#### Performance Test Lead (BA3)

Jan 2022 – Apr 2023

- Conducted CPU utilisation analysis to find the optimum CPU core value resulting in cost saving of £299k
- Integrated Apache Kafka with JMeter enabling 6 developers to re-use the scripts resulting in a 30% reduction in time spent on performance tuning and optimisation.
- Designed a non-functional test strategy and established baseline scenarios for newly developed microservice application.
- Collaborated for performance bottleneck analysis with Business analysts and developers.

#### Software Performance Tester

Aug 2020 – Dec 2022

- Created custom excel pivots, charts and JIRA dashboards for Agile Central to JIRA migration thus saving 4 person-days(PDs).
- Developed JMeter volume and UI scripts which reduced usage of licensed tool (LoadRunner) in the project by 90%
- Executed performance tests like volume, stress, floodgate, UI, endurance, failover, resiliency tests for 38 deliverables.
- Conducted non-functional requirements gathering and generated test closure reports including performance metrics like TPS, response times, CPU and memory utilisation.
- Knowledge of Payments Sanctions Screening, Fircosoft, Financial Crime, PCIR, SWIFT and MX ISO 20022 Standard Messages.

## KEY ACHIEVEMENTS

- Received the Certificate of Appreciation in the Recognition Event March 22 for Service and Drive for creating knowledge base in JMeter
- Completed Bridge India Python Training in Barclays
- Indian Airforce AFSB Conference Out

## EDUCATION

- B.Tech. Information Technology | KJ Somaiya College of Engineering - Vidyavihar, Mumbai (CGPA – 8.97) 2020

## EXTRA CURRICULAR

- Football team Captain in college, Participated in district football matches
- Participated in inter school touch rugby championships
- Secured A grade in Intermediate Drawing Examination