

RHEA D'SOUZA

Summary		
Performance Engineering specialist with 5.5 years of experience in the FinTech and Payments domain, currently leading critical testing initiatives at Mastercard. Proficient in end-to-end performance strategy, capacity planning, and bottleneck analysis using Dynatrace, Splunk, and JMeter. Demonstrated success in driving resource optimization, leading cross-functional release cycles, and fostering technical capability through structured team mentorship.		
Education		
Qualification	Institute	Year
MBA (pursuing)	Indian Institute of Management, Ahmedabad	2024-2026
B. Tech (Information Technology)	KJ Somaiya College of Engineering - Vidyavihar, Mumbai	2020
Work Experience (5.5 years)		
Mastercard, Pune (14 Months)		
Performance Engineer		October '24-present
Roles and Responsibilities – - Spearheaded end-to-end performance test execution for Core Payments systems, ensuring high availability and reliability for critical customer transactions. - Leveraged Dynatrace and Splunk to identify and resolve 7 critical performance bottlenecks, recommending specific code and configuration changes that directly improved customer response times. - Implemented a resource optimization framework aligned with environment availability, resulting in a productivity gain of 3 Person-Days (PDs) per cycle. - Designed a comprehensive JMeter training curriculum (videos and decks) and hosted 6 Brown Bag sessions, facilitating knowledge transfer and upskilling the wider engineering team.		
Barclays, Pune (4 years 2 months)		
Performance Test Lead		August '20-October '24
Roles and Responsibilities - 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. - 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. - Integrated Apache Kafka with JMeter enabling 6 developers to re-use the scripts resulting in a 30% reduction in ^me spent on performance tuning and optimization.		
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		
Interests / Extra-Curriculars		
Instrumental Creativity	- Football team Captain in college, Participated in district football matches - Participated in inter school touch rugby championships - Secured A grade in Intermediate Drawing Examination	

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