
KARAN GONDALIA

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Performance Engineer with in-depth knowledge of Banking Domain . Experience in overall application performance activities like end to end performance analysis and monitoring , Bottleneck and Root Cause Analysis, Application and Hardware benchmarking, Optimization and application profiling to improve efficiency and performance of the application. Well versed in Devops process and methodologies.

TECHNICAL SKILLS

- **Operating Systems** : Linux , Windows
 - **Scripting Languages** : Shell Scripting , AWK
 - **Programming Languages** : Python , Java [JVM Tuning]
 - **Profiling Tools** : VisualVM , Java Flight Recorder , Telegraf , Tantrum GC Analyzer , IBM Thread Dump Analyzer.
 - **CI/CD** : Jenkins , Azure Devops
 - **Databases** : Oracle , MySQL
 - **Time Series Databases** : InfluxDB , Prometheus
 - **Application Servers** : Apache Tomcat
 - **Web Server** : Nginx
 - **Observability Platforms** : Grafana
 - **Configuration Management** : Ansible
 - **Benchmarking Tools** : Gatling , JMeter
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EXPERIENCE

Performance Engineer [Performance CoE]

August 2019 – Till Date

Jio Platforms Ltd.

- Gathering requirement from stakeholders and identifying Non Functional Requirements
- Discussion with Project Management Teams to identify critical projects and taking suitable actions to execute the projects through Performance Engineering Pipeline.
- Designing of scenarios and developing scripts in Scala for generating load on the systems using Gatling for identifying the bottlenecks of the system.
- Analyze the NFRs and writing Plan & Strategy document.
- Responsible for Performance script creation and execution.
- Extract and analyze thread dumps and heap dumps to do performance tuning and optimization.
- Identify bottleneck on application, database and network & recommend improvements.

- Check for memory leaks using profiling tools like JvisualVM , GC viewer providing snapshots for memory objects which helps to highlight code improvement areas.
- Help Scale the application and resolve memory issues by changing heap size and other JVM parameters to attain overall scalability.
- Execute smoke tests to validate the scripts , environment and data followed by load / stress tests and resource monitoring.
- Identifying scenarios and functionalities of business applications.
- Simulate , parameterize and co-relate the exact user behaviour in real-time scenario.
- Automation of tasks using Shell Scripting and Python.
- Prepare analysis report using historical data and comparison.
- Involved in requirement gathering and analysis.
- Analyze system architecture and identify key metrics for establishing performance baseline and SLA.
- Perform network packet analysis using wireshark.

Achievements

- Actively participated in completion of various projects in high concurrency environments applying various techniques to scale up the applications.
- Delivered projects including major projects like UPI , Banking Services , Bill Payment Service, Jio Datalake and various core banking projects.
- Provided recommendations to improve the Scalability , reliability and performance of all the applications in Jio Financial Services ecosystem.
- Created and implemented an end to end Performance Engineering framework using Gatling , InfluxDB , Telegraf , Jolokia , Jenkins and Ansible.

Software Engineer

July 2017 – August 2019

Aveksha Technologies

- Performance engineering for different tracks for various clients like:
 - VFS Global [Root Cause Analysis for performance and reliability issues on Visa Application website]
 - IndusInd Bank [Performance Testing and Engineering]
 - Reliance Jio [Performance Testing and Engineering of Payment Gateway , Fraud and Risk system , Wallet]
 - Indiabulls [Setup of end to end monitoring system involving elasticsearch , kibana , grafana and shell scripting]

EDUCATION

Bachelor of Engineering	Mumbai University - India	2013 – 2017
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