
MANOJ RANA

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Senior Performance Engineer | QA Analyst

PROFESSIONAL SUMMARY

Highly qualified performance engineer with 4.5 years of experience optimizing software performance. Specialized in testing web applications, APIs, mobile platforms, SQL/NoSQL databases. Expert in server monitoring and deep understanding of QA processes. Proven track record of redefining performance engineering to accurately identify application bottlenecks with precision. Extensive experience with AWS cloud, CICD tools, Automation tools and developing open-source plugins and JAR files for Jmeter. Committed to delivering high-quality results, improving methodologies, and exceeding client expectations. Tech-savvy professional dedicated to driving exceptional performance and elevating user experiences.

KEY SKILLS

- Experience in Java, **JMeter**, **HP Load Runner**, **Blazemeter(only for script recording)**, **Shell/Bash Scripting**, **Jenkins (CI Integration)**, **Linux**, **PUTTY**, **Grafana**, **MySQL**, **Github**, **AWS**.
- Extensive knowledge of **JMeter** and the headless testing process.
- Expertise in using open-source bug tracking tool **JIRA** and **ALM(Application Life Cycle Management)**.
- Hands-on experience in Test Planning, Estimation, Test Design, and Performance Test Execution.
- Experience in web services (REST/SOAP) in performance testing .
- Experience in working with Business Analysts, Developers and Stakeholders of the Application.
- Outstanding communicator with extensive experience in customer service as well as the ability to identify, develop, and enhance client relationships.
- Familiar with Agile software development and QA processes, principles, and techniques.
- Knowledge of Server monitoring tools - Dynatrace, Aws-cloudwatch, Mulesoft, Splunk.
- Experience in root cause analysis and bottlenecks identification.
- Expertise in building custom and automated solutions for challenging problems.
- Experience in Chaos Engineering, utilizing Gremlin as a primary tool to enhance system reliability.

PROFESSIONAL EXPERIENCE

Performance Engineer | Qualitest Group ~ Jan 2020 - Present

Responsibilities :

- Planning, Estimating, Modeling, Scripting, Executing and Reporting the Performance test plans , reports with a focus on the Server side performance testing.
- Maintaining and creating Performance testing script with best knowledge.
- Monitoring and analyzing the Performance bottlenecks of an application using Dynatrace .
- Developing and setting up the automated test execution environment and reporting framework for clients for both Non Functional testing.
- Developed CI-CD pipeline through Jenkins to redefine the process of Performance test execution, monitoring and report creation
- Develop tools for testing and improving different kinds of applications by identifying the application bottlenecks with high accuracy
- Leading testing activities over various projects, Providing training and extracting the most effective results from subordinates

Key Accomplishments :

- Played a central role in migration of Mason physical servers to EC2 servers which helped to provide stability performance aspects of the application
- Developed and integrated several solution accelerators to create pre-req requirements of the load test which ultimately reduces manual efforts upto 80%
- To redefine the process of performance test execution, monitoring and summarizing key performance aspects, a well designed pipe line through jenkins was created

Projects :

Project Names - K12
Client - Cengage Learning (U.S)
Role - Senior Software Engineer
Tools Used - JMeter, Jenkins, Eclipse, Grafana, Dynatrace etc
Testing Scope - Web Application and API (Performance Testing) And Chaos Testing

Project Name - CDE
Client - Health First (U.S)
Role - Senior Software Engineer
Tools Used - HP Load Runner, Mulesoft, AWS-CloudWatch, Dynatrace etc
Testing Scope - Web Application and API (Performance Testing and Performance Engineering)

EDUCATION

Master of Computer Application (MCA)
Gurukul Kangri University Haridwar (Uttarakhand)
JUNE 2017 – JUNE 2020

CERTIFICATION

- Neoload
- Gremlin
- Gatling
- Jmeter
- Google IT Automation with Python_specialization
- SRE - Level 0