Aditya Kumar Dwivedi

Senior Performance Engineer

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Professional Summary

Performance Test Engineer with 9.4+ years of experience across Finance, Telecom and Banking domains, including cloud-based application performance testing. Expertise in LoadRunner, JMeter, and APM tools such as Dynatrace. Skilled in performance benchmarking, KPI analysis, throughput optimization, and CI/CD-driven test automation. Proven leadership in end-to-end performance testing, from strategy to execution. Strong background in optimizing performance for native and hybrid applications, ensuring scalability and reliability under load.

Technical Skills

Languages: Core Java, Python, Shell Scripts, SQL, C++, JavaScript
Tools: LoadRunner Enterprise (v24.3), Vugen (CE 24.3), JMeter (v5.6.3), Dynatrace (v1.316.30), Splunk-Cloud, AWS, AppDynamics, Jenkins CI-CD
Databases: Postgres, Oracle, AWS RDS (Relational Database Service)
Others: AWS Cloud, EC2, lambda, RSD- Postgress, WinSCP, Putty, Amplitude, Grafana, Prometheus, Servicenow, Jira, Confluence

Experience

Senior Associate, Western Union Pvt Ltd   *Sep 2024 – Present*
Associate, Western Union Pvt Ltd   *Apr 2021 – Sep 2024*

- Recognized with promotion for leadership excellence and driving key performance engineering improvements.
- Led a team of 6+ performance engineers, responsible for planning, scripting, and executing performance tests.
- Created LoadRunner and JMeter scripts for multiple environments (Web, API, Citrix, Java).
- Conducted NFR gathering, workload modeling, and performed smoke, load, soak, spike, and stress tests.
- Used Dynatrace, Splunk, and Grafana for root cause analysis and dashboard creation.
- Integrated LoadRunner tests into CI/CD using Jenkins and automated report generation.

Performance Test Engineer, Amdocs India   *Jul 2019 – Apr 2021*

- Developed VUGen scripts for HTTP/HTML and Java web protocols.
- Analyzed results using the LoadRunner Analysis, AppDynamics, Willy-Introscope, and AWR reports.
- Built dashboards in Grafana to visualize test outcomes.

Software Engineer - Performance Testing, SLK Software   *Sep 2018 – Jul 2019*

- Developed and enhanced performance test scripts for a banking application, executed tests using Controller, and shared HTML reports with stakeholders.

Staff Software Engineer, iDeliver Solutions   *Mar 2016 – Aug 2018*

- Gained hands-on experience with LoadRunner components and protocols, script enhancement for realistic user behavior, and analysis of performance metrics through LoadRunner graphs.

Achievements

- Automated performance testing tasks, reducing the test cycle time by 25% and accelerating delivery.
- Custom scripts built to streamline execution and reporting, improving efficiency and accuracy.
- Enhanced response time by 35% through database optimization and system resource optimization.
- Worked on custom test report to share the results automatically using Python and difference plungins
- Conducted internal training and mentored entry-level engineers, strengthening team capability in performance engineering.

Key Projects

Western Union Applications   *Team size - 7*
Web, API, AWS Cloud, EC2, lambda, Postgres, RDS

- Initiated and led a cost-saving project to replace LoadRunner Enterprise using JMeter and Grafana.

- Analyzed production data and system resource configurations in collaboration with cross-functional teams using tools like Splunk and Amplitude.

- Led comprehensive performance testing across protocols including HTTP/HTTPS and TruClient.

- Executed load tests using LoadRunner Enterprise and performed deep dive analysis with Dynatrace, AWS-EC2 CloudWatch.

- Performed root cause analysis and collaborated with development teams to optimize bottlenecks.

Amdocs - AT&T(Client)   *Team size - 4*
Java Desktop Application, API, Microservices, Loadrunner (Protcols - Java, HTTP-HTML, Web Services, RDP, Citrix), Oracle-DB

- Designed and executed performance test scenarios for Java-based desktop applications, APIs, and microservices using LoadRunner (Java, HTTP-HTML, Web Services, RDP, Citrix).

- Configured and maintained performance testing environments by deploying code fixes and generating test data through SQL queries.

- Collaborated with development and database teams to identify performance bottlenecks and optimize Oracle DB queries.

- Integrated AppDynamics and Grafana for real-time performance monitoring, dashboard creation, and SLA-based analysis.

Certifications

- JMeter Pro Certificate   *Blazemeter*
- Practical Github Actions   *LinkedIn Learning*
- AWS Cloud Practitioner Essentials   *AWS*

Education

Bachelor of Engineering in Computer Science   *R.G.P.V Bhopal, 2014*
CGPA: 6.3 / 10

Higher Secondary Certificate   *M.P. Board Bhopal, 2010*
Percentage: 74.6%

Secondary School Certificate   *M.P. Board Bhopal, 2008*
Percentage: 77.4%