Performance Test Lead

Job Specific Duties & Responsibilities

- Create Performance Test Strategy document: define the approach, metrics, benchmarks, baseline, user response requirements, environments, toolsets & etc.
- Identify performance test scenarios with the support of stakeholders.
- Creating different load profiles.
- Create performance test scripts for various types of tests such as load, stress, duration/endurance & etc.
- Identifying required test data needs for performance runs.
- Run performance tests on distributed environments.
- Create and publish performance test results and recommendations.
- Ability to identify and troubleshoot issues at all levels including operating system, component, database, network.
- Ability to obtain performance requirements and estimate work effort needed to complete assigned tasks.
- Setting up a performance test framework and tool on a client's environment.
- Introduce, Maintain and enhance performance test frameworks.
- Review and recommend improvements to existing test procedures.
- Partner with the team and stakeholders to develop and implement best practices.
- Stay up to date with the latest performance tools, technologies and trends.
- Suggests new tools and techniques to improve testing efficiency
- Lead and mentor team members.
- Ability to simultaneously manage tasks on multiple projects
- Ability to analyse, plan and execute tests across enterprise applications (multiple) to identify & remediate performance problems, prevent production outages, and guarantee predictable performance.
- Responsible for supporting pre-sales activities.
- Responsible for conducting internal training and recommending external training.
- Responsible for team members evaluations and competency building.

Requirement Competencies, Qualifications & Experience

- B.Sc. in Computer Science or related discipline or equivalent professional qualification.
- 4 - 7 years of experience in performance testing of complex applications including desktop, web/cloud & mobile.
- 2-3 years of experience in leading a performance testing team.
- Experience in designing performance test scripts and load profiles based on application functionality and usage patterns.
- Good experience with performance testing types: Load testing, Stress testing, Scalability testing, Spike testing, Volume testing, Endurance testing.
- Good knowledge and practical experience in JMeter/ LoadRunner/ Dynatrace or similar tools.
- Knowledge of load testing and performance testing concepts and methods.
- Experience identifying memory leakage, connection issues & bottleneck problems in various technologies and applications.

- Knowledge of Memory/DB profiling tools
- Knowledge and experience with SQL and relational databases, authentication scenarios
- Knowledge of infrastructure components (servers, network, load balancers, switches, firewalls, etc.)
- Solid understanding of throughput, latency, memory and CPU utilisation.
- Strong problem solving and analytical skills demonstrated by the ability to assimilate new information, understand complex topics and arrive at meaningful and accurate conclusions
- Experience working with APM tools, such as New Relic or Grafana
- Demonstrated ability to effectively establish and maintain working relationships with all levels of the organisation
- Ability to self-learn and grasp the knowledge quickly
- Good analytical skills, troubleshooting and resolution skills
- Flexibility to Multitask and Shift Focus as needed
- An understanding of Agile testing methodologies
- Programming skills in at least two of the following for writing load generation and performance analysis tools: Java, Python, Perl, shell scripting
- Experience with version control systems GIT, VSTS / Azure DevOps.
- Understanding of HTML/CSS/JS or JQuery
- Nice-to-have -> Experience in working with REST APIs, understanding of Soap APIs
- Nice-to-have -> Experience in API Testing and its automation tools like Postman.
- Nice-to-have -> Understanding of Swagger API Platform