**Performance Testing Requirement**

1. Knowledge on performance testing tools like loadrunner, jmeter,neoload.
2. Basic logical coding – preferably in C language
3. Monitoring and execution tools- performance center, sitescope etc
4. Requirement gathering skill to prepare performance test plan
5. Thorough knowledge on application architecture to derive user load.
6. Understanding of SQl queries
7. Linux commands, good to have shell experience.

**Performance Engineering Requirement**

1. Knowledge on java heap management, GC log analysis, GC policies, Load balancing techniques, Thread life cycle.
2. Heap dump, thread dump analysis, memory analyzing tools(Jconsole, visual studio, jmap, jstack, MAT etc.)
3. Network monitoring concepts (Bandwidth, latency etc.)
4. Knowledge on middleware- Tomcat, glassfish etc.
5. Web server, db server Application server tuning
6. Database monitoring using tools like OEM
7. APM tools like Appdynamics, New Relic Dynatrace etc.

**Commerce Performance testing Requirement**

1. Performance tools, J2EE/REST APIs, Databases, WAS, load balancing Kubernetes, Docker.
2. Databases- DB2, MongoDB, Oracle
3. Knowledge on caching techniques
4. Kafka, kibana, elastic search, redis
5. Prometheus, Grafana, deployment techniques.