**Big Data Performance Engineer**

**Location: Sunnyvale, CA**

**6-month contract to perm**

**Job Description:**

The candidate will serve as the Performance Engineer responsible for design, execution, tuning and reporting for overall system performance testing including optimizations to support scaling the current solution from 7.5M devices to 20M devices by 4Q16.

In addition will coordinate performance / scalability testing of the user interface application. Working primarily on the client's CiQ platform which consists of the infrastructure required to accept source data from mobile devices, index and persist binary data in HBase and Hadoop Distributed File System, a framework for scalable data transformation (device data to meaningful measures) and a meta data driven user interface for browsing the data.

**Key Responsibilities:**

* Define software quality best practices and procedures to design, influence, and drive quality and testability of client specific software
* Passion for developing quality oriented software frameworks, and ensuring highest code quality
* Perform automated performance and functional testing of new releases for customer facing web applications and server components
* Perform optimization and fine tuning HDFS related technologies like Hadoop, HBase, Hive to accomplish performance & scalability improvements
* Review functional and technical specifications to identify requirements for creation of test plans, test cases and test scripts
* Conduct test case reviews to ensure scenarios accurately capture business requirements
* Execute all components of product testing such as acceptance, functional, regression, end-to-end, performance, load, reliability & scalability testing
* Apply technical expertise to challenging programming and design problems relating to quality engineering

**Required Job Skills:**

* 8+ years of Strong development experience in Java6+
* 8+ years’ experience developing in-house performance test frameworks, tools & scripts
* 8+ years’ experience conducting white box test design, testing techniques and unit testing with automation frameworks/harnesses (JUnit, TestNG, NUnit, or Mockito, etc.)
* Strong experience in Hadoop 2.6+, Hbase 0.98+ Hive 0.13+
* Strong experience in performance testing low latency, high throughput application servers
* Strong experience with automated functional and performance testing of user interfaces written in Java, Java Script, CSS, Ajax, + libraries like jQuery, Datatable, Highchart, OpenLayer, Open Street Map
* Strong experience with Unit testing & Test Driven Development (TDD)

**Preferred Job Skills:**

* Experience developing Plugins for functional and performance test execution based on tools like Jmeter, Gatling etc.
* Experience testing web services (REST or SOAP)
* Experience with messaging systems like Fiorano, RabitMQ, Kafka etc.
* Experience with Agile Development, SCRUM, or Extreme Programming methodologies
* Experience with RDBMS/ORDBMS systems like Oracle, Postgres etc.
* Experience with troubleshooting problems and fine-tuning Hadoop grid for optimal job performance and scalability
* Experience with troubleshooting problems and fine-tuning HBase configurations
* Experience with setting up and fine-tuning queries for optimal performance Hive performance.
* Experience performance testing applications running on webservers like tomcat/Jetty
* BS/MS in computer science or equivalent work experience