**HANUMESH MEKALA**

Email: career9052@gmail.com 32516 Lake Barlee Ln

LinkedIn: <https://www.linkedin.com/in/hanumeshmekala/> Fremont CA – 94555

Ph: 669-842-3737

**Professional Summary:**

* Over 20 years of experience in all stages for the Software Development Life Cycle and QA Life Cycle in all dimensions of Functionality, Usability & Reliability.
* Over 10 years of experience in Design and Development of applications. (Requirement gathering, Analysis, Design, Development) of Enterprise, Product-based and Web applications.
* Over 10 years of experience in design and development of Automation tests frameworks and performance testing.
* Experience in designing and developing Automation framework for REST based API services using Java, Scala, NodeJS, Python, PyTest, Rest Assured, TestNG, Mocha, Chai, JEST, Scala Test, Selenium, Gatling, WebdriverIO, Python
* Experience in developing Performance test frameworks using JMeter, Gatling, LoadUI.
* Experience in building Test automation frameworks for AWS based big data pipelines.
* Experience in leading and mentoring team
* Experience in debugging and resolving complex issues in production.
* Over 10 years of experience in Agile methodology.

**Technologies/Frameworks**

Java, Scala, Python, NodeJS, JavaScript, HAPI, boto3, Shell Scripting, JavaScript, CSS, GraphQL, JSON

Mocha, JEST, Chai, Gatling, ScalaTest, play framework, TestNG, Selenium, JMeter, LoadUI, Postman

AWS (S3, Lambda, ECS, EMR, Jenkins CI/CD pipeline, AWS S3, AWS Athena, AWS Glue)

MySQL, MongoDB, Cassandra, DynamoDB, PostgreSQL, Oracle

Struts, Spring, Hibernate, REST Web Services, Spring MVC, Spring Boot, REST-Assured

Ant, Maven, SBT, NPM, yarn, New Relic, Splunk, CloudWatch, Postman,

Your Kit (Profiler), Jenkins, Sinon(mocking), Mockito

Kubernetes, Kafka, Spark, gradle, Storm, Rancher, rundeck

GSon, liftJSON, Github Actions (GHA)

**EXPERIENCE**

**Individual Contractor for Equinix April 2022 - Current**

**Sr Software Engineer, Test**

**Technologies:**

**Java, TestNG, Rest Assured, JMeter, Kafka, Storm, Rundeck, Rancher, Splunk, Oracle, Cassandra, Mongo DB, Zephyr, Jira, GitHub Actions (GHA), Redis Cache.**

**Responsibilities:**

* Design Test Strategy & Tests plan’s review & signoff.
* Design & development of Test Automation framework for testing data Ingestion pipelines involving Kafka, Storm, Oracle, Cassandra, Mongo DB, Rundeck, java, Scala to ensure the quality of the pipelines functionality.
* Implemented and maintained automated test scripts using Playwright to ensure the functionality and reliability of web applications.
* Design and develop Automation test frameworks for REST based Web Services and configuring the test execution as part of CI/CD pipeline, GitHub Actions
* Plan, design and develop scripts for execution of Performance Testing and contribute in finding the bottlenecks in the application if any and propose remedial plans to fix the bottlenecks to improve efficiency and performance of the applications.
* GHA (GitHub Actions) integration where CICD triggers invocation of automated tests enabling finding bugs if in early stages, eliminating bug free code deployments.

**Apple Inc, Cupertino, CA Jan 2021 – Mar 2022**

**Quality Engineer – AWS**

**Technologies:**

Java, TestNG, Spark, Kafka, Kubernetes, Oracle, Cassandra, Hive, rio, AWS Cloud, AWS Athena, Airflow, Splunk.

**Responsibilities:**

* Design, plan and develop Automation test framework for AWS based streaming data pipelines, on-prem data pipelines & hybrid data pipelines.
* Design Test Strategy & Tests plan’s review & signoff.
* Ensure quality of data in end-to-end workflow of data processing pipelines. Responsible for validating data in each hop of the workflow by reading and validating data from Kafka topics, hive tables and oracle, and Cassandra tables.
* Owning the development of automation framework and signing off the features being developed in each sprint.
* Involve in Production support and solve the issues within the defined SLA’s

**IITJOBS Inc, San Jose, CA Oct 2020 – Jan 2021**

**Quality Engineer – AWS**

**Technologies:**

Java, Spring Boot, Junit, Mockito, GitLab, Jira, Confluence, Rancher, AWS Cloud, AWS RDS, Postgres, Postman, Node JS, React, Spring WS, Hibernate, Rest Assured, TestNG, Selenium, Cucumber, Maven

**Responsibilities:**

* Design, plan and develop testing strategies for migration of applications to AWS.
* Identify key functional areas for various services & applications that needs to be tested an automated, while migrating to AWS Cloud.
* Developed Automation framework for testing various REST based Services using Rest Assured, Java and TestNG
* Participated in the UAT Testing of on-premises applications.
* Responsible for testing and triaging the issues in the AWS migration and resolving them.

**Finacle Soft Inc, Princeton, NJ July 2020 – Sep 2020**

**Quality Engineer**

**Technologies:**

Java, Rest Assured, TestNg, Spring Boot, JMeter, GitLab, Jira, Confluence, AWS, AWS RDS, AWS S3, GraphQL, Postgres, Postman

Responsibilities:

* Key member of the development team driving the quality of the services to the next level via automation in fast moving Agile environment.
* Design and develop Automation test frameworks for REST based Webservices and configuring the test execution as part of CI/CD pipeline.
* Plan, design and develop scripts for execution of Performance Testing and contribute in finding the bottlenecks in the application if any and propose remedial plans to fix the bottlenecks to improve efficiency and performance of the applications.

**Realtor.com (Move Inc.), Santa Clara, CA May 2017 – June 2020**

**Staff Quality Engineer**,

Teams: Platform - Squad Agent-Broker / Licensing / AWS Data Lake

Technologies:

Node JS, Mocha, Chai, JEST, WebdriverIO, JSON, NPM, GIT, Jenkins, Sinon(mocking), MySQL, PostgreSQL, AWS, New Relic, JMeter

Python, Hadoop, AWS, Hive, PyHive, PyAthena, PySpark, AWS Athena, DynamoDB, Boto3, AWS Glue, EMR, PyCharm, Agile methodologies, Java, TestNG, Selenium.

Responsibilities:

* Key member of the development team driving the quality of the services to the next level via automation in fast moving Agile environment.
* Responsible for development of Test Automation frameworks for REST Micro Services LEX, AE & Licensing using Node JS, Chai, Mocha and JEST.
* Contributed to UI Automation framework using WebdriverIO (selenium), NodeJS, mocha, chai.
* Responsible for developing Automation framework in AWS Data Lake, ensuring quality standards of data pipeline applications in AWS data ingestion and processing. Used Python, AWS Athena, Boto3, AWS Glue, AWS S3
* Contributed to Data Validation framework which feeds in the SQL queries for validating processed data and report errors in data on daily basis.
* Responsible for Performance Testing using JMeter and performing load tests, identifying areas affecting performance and re-evaluate on performance improvement after the fixes. Achieved 10x improvement in the response times.
* Configuring tests execution as part of CICD pipeline and as Jenkins nightly jobs capable of dispatching test results to respective stake holders
* Responsible for integration of SonarQube Analysis as part of build process.
* Involved in developing REST services using Node JS & MySQL, developed units tests using Hapi, Mocha, chai & Sinon(mocking).
* Involved in developing Unit Tests
* Contributed in the development of common test-data framework, which can be used across QE teams in the Company.
* Lead QE Team. Mentored and guided QE team ensuring all were trained in product knowledge, tools and empower team to start delivering quickly.
* Participated in code reviews.

**AOL Inc. (Verizon), Santa Clara July 2016 to April 2017**

**Senior Software Engineer, Test**

Team: go90

Technologies:

Java, Scala, Play framework, REST Web services, Lift JSON, Logback, GIT, Gatling, Akka actor model, SBT, Jenkins, VisualVM, YourKit Java Profiler, ScalaTest, Mongo DB, Robo Mongo, Cassandra, Amazon cloud EC2, Python, Shell Scripting and IntelliJ, Splunk

Responsibilities:

* Responsible for Test Automation Framework development & Performance Test Framework for various REST based API services using Java, Java Keystore, Scala, Play Framework, SBT, lift JSON, Jenkins and ScalaTest in fast phased Agile Scrums.
* Developed performance test scenarios using Gatling, JMeter and load tested different modules
* Responsible for profiling using VisualVM and YourKit during Performance testing and finding bottlenecks.
* Involved in onboarding of VOD assets by developing the xml schema’s, converts the feed data into go90-required formats for onboarding
* Involved in developing scripts for bulk processing of VOD metadata in S3 bucking using AWS Client, Python scripts & Scala scripts.
* Involved in creation of Splunk alerts for monitoring various services and triggering email alerts which services are not responsive or down, which helps to take immediate action to avoid any interruptions to services.
* Involved in verification of scalability tests on AWS and writing rules for scalability.

**Paloras Corporation, Palo Alto CA Oct 2014 to July 2016**

**Senior Software Engineer, Test**

Project: Verizon go90 & Setup box

Technologies: Java, TestNG, Selenium, Gatling, Java Keystore, Cassandra, ScalaTest

* Involved in development of Test Framework for Live Key Generation, and other services using Java, TestNG & Selenium
* Involved in trouble shooting Setup box startup issues.
* Involved in writing Unit Tests
* Developed test for Security testing of two-say SSL certs used for content and tested for VOD and Live Content.

**Orian Engineers Inc., Sunnyvale, CA Feb 2013 to Sep 2014**

**Senior Software Engineer, Test**

Project: Intelmedia Webservices

Technologies: Java, Gatling, Java Keystore, Cassandra, ScalaTest

* Involved in development of Test Framework for VOD (Video on Demand) Key Generation, and Live Key Generation modules using Java, TestNG & Selenium, ScalaTest, Gatling
* Involved in Performance testing of application, finding bottlenecks in the application and fixing the issues if any.
* Involved in writing Unit Tests

**MindTree Ltd., Bangalore, India Oct 2010 to Dec 2012**

**Technical Architect / Performance Engineer**

Projects: SITA (Subscriber Identity and Access Management) - Aero, Atlanta, GA, USA

WFM (Work Force Management) – Cybershift, Parsippany NJ, USA

DMS (Document Management System) – Keenan & Associates, Riverside, CA

Technologies:

Java, Eclipse, Oracle, YourKit (Profiler), SOAP UI, Apache JMeter, Load UI, Structs, Spring, Hibernate, Spring WS, Maven, Web Logic

REST Webservices, Alfresco CMS, Tomcat

Responsibilities:

* Responsible for activities related to Non-Functional Requirements (NFR) for SITA, by working closely with stake holders of the system and layout a baseline SLA’s.
* Identifying functionalities based on priorities which needs to be Performance tested to meet the SLA’s
* Responsible for Performance Testing of application, identification of bottlenecks, perform root cause analysis and propose recommendations to overcome bottlenecks
* Responsible for publishing Performance reports for every iteration.
* Lead Performance Team, mentor and equip the team for Performance testing tasks.
* Responsible for migration of multiple applications to latest versions of Application servers Weblogic, WebSphere, and Oracle DB.
* Responsible for defining requirements, develop Technical & System Design document, defining business rules for DMS Application. Developed POC replacing Alfresco’s GUI with GWT which needs understanding of communication internals of Alfresco.

**Manthan Systems Pvt. Ltd., Bangalore, India Apr 2009 to Sep 2010**

**Technical Architect**

Project: ARTUS

Client: McDonalds, Chicago IL, USA

Technologies: Java, Struts, JDBC, YUI (Ajax Framework), Castor, CSS, DHTML, POI Framework, WebSphere, Tomcat, Oracle

Responsibilities:

* Responsible for design and development of Supply Chain Restaurant Order Proposal (SCR5)
* Responsible for requirement gathering and laying down the business rules based on BOM3 & BOM5 models of USA and Europe models. Converting requirements in Technical Design documents.
* Responsible to defining System Architecture, database models, and developed base functional framework.
* Responsible for estimation and delivery

**Bluestar Infotech Limited, Bangalore, India Feb 2006 to Mar 2009**

**Technical Lead**

Projects: Italy Vacations, Vayam.com, comos.com, Avro Flying Club (Cosmos Tours, UK),

Agent Dashboard (AirTrade International, CA, USA),

EDI Processing (EA Technologies, Florida, USA)

Technologies: Java, JSP, Struts, Tomcat, PostgreSQL, Spring, Spring MVC, Hibernate, MULE, Drools Rule Engine, JBoss, Oracle, JMS-Active MQ, DWR (Ajax Framework), MySQL

Responsibilities:

* Responsible for design and development of various Web applications includes Frontend and backend.
* Involved in design and development of middle ware applications using Mule ESB and Drools Rule Engine

**S1 Services (India) Pvt. Ltd Apr 2004 to Sep 2005**

**Senior Software Engineer**

Projects: Financial Reporting System (FRS

Technologies: Windows XP, Java, JDBC, Struts, CSS, Tomcat 5, Eclipse 3.0, ant, Backend Oracle 9i

Responsibilities:

* Understanding the High Level and Low-Level Design documents for the project.
* Responsible for the development of the Feed Manager and the Job Manager and some part of Admin module.

**vMoksha Technologies Pvt. Sep 2002 to Apr 2004**

**Software Engineer**

Projects: Financial Reporting System (FRS

Technologies: Windows NT, Orcle9i Application Server, java, JDBC, JSP, Servlets, Oracle 9i

Responsibilities:

* Involved in comprehensive study on requirements, Designing, developing web components.

**Neem Systems Pvt. July 2000 to Sep 2002**

**Software Engineer – Java developer**

**Education:**

M.Sc. (Master of Science) in Computer Science

* from Sri Krishnadevaraya University, Anantapur, A.P. India. (1996-1998)

B.Sc. (Bachelor of Science) in Computer Science

* from Sri Krishnadevaraya University, Anantapur, A.P. India. (1993-1996)