

# Geethanjali Dhandapani

Current Location: Cupertino, CA

Work location: Foster city, CA

Interview Availability: One day advance notice

Start Availability: Immediately

## **Summary:**

- 4+ years of experience in software web & mobile application automation testing
- Have setup testing infrastructure and tools for seamless delivery of both backend APIs and UX frontend apps
- Have set up an eco-system for running compatibility tests (Windows/ Mac and Android/ iOS platforms, cross browsers, cross mobile devices - phones, tablets, iPads etc)
- Successfully tested and released applications confronting to HIPAA and ISO27001 regulatory requirements by working with security teams
- Automated REST APIs testing using TestNG and RestAssured for different environments and integrated with Jenkins builds for reporting
- Developed a framework for API monitoring and configured with Jenkins jobs which periodically checks on the health of the APIs and reports the team in case of performance issue
- Have very good experience in UX automation using java selenium webdriver by implementing reusable software design patterns
- Successfully released web, iOS & android mobile applications from staging (beta) to production by performing both automation and manual testing
- Have very good experience in writing SQL queries against SQL database for data validation and verification
- Worked with backend distributed systems & identified issues on highly scalable architectures and provided valuable suggestions to improve the performance of the system
- Performed stress or performance testing on mission critical APIs and ensured system performs well under load
- Have very good understanding of AGILE scrum methodologies
- Created and executed manual smoke, functional, regression, system, integration and exploratory tests
- Worked with product owners to write use cases in cucumber and converted them to actionable automation scripts
- Have a very good understanding of Project Development life cycle and always test from end user perspective & provided valuable product suggestions
- Implemented REST APIs using spring boot, Hibernate and MYSQL backend to understand the microservices architecture
- Self starter and can adapt to the new environment quickly & deliver high quality software applications in a timely manner

## **Skill:**

- Java, Maven
- Manual testing, Automation testing – Web & Mobile
- Selenium Webdriver, Selenium Grid
- Mobile - Selendroid, Appium, Xcode (Memory & profiling)
- WebPageTest, PageSpeed Insights, Google Analytics
- Eclipse, TestNG, JUNIT, Cucumber
- JMeter
- Rest APIs – POSTMAN, Swagger & RestAssured (Automation)
- Mysql, Hadoop
- GIT, Jenkins
- Docker containers , Oracle VirtualBox – VDIs & Genymotion emulator
- HTML, CSS, JS, Bootstrap
- HTTP Servers (Apache 2), Tomcat
- AWS EC2, SES, AWS Device Farm
- Defect tracking & reporting using JIRA
- FireBug, FirePath, Chrome Dev Tools
- OS: Mac, Windows, Linux

## **Education:**

- Masters in Bioinformatics, Sri Ramakrishna College of Arts and Science, Tamil Nadu, India Graduation: 2008
- Bachelors in Biochemistry, Sri Ramakrishna College of Arts and Science, Tamil Nadu, India Graduation: 2006

## **GIT URL**

<https://github.com/anjali Prabhu>

**Work Experience:****Illumina Inc ([www.illumina.com](http://www.illumina.com)), Santa Clara, CA****Aug 2017 to Present****Software Quality Engineer**

- Qualified a product to take in a patient's tumor mutations and return list of FDA approved medications corresponding to their mutations
- Automated clinical reports like gene survival, marker frequency, gene comparison analysis
- Implemented Page Object Model Design pattern for web page automation
- Written automation tests to run against the OAuth servers in multi-tenant environment and ensured the critical components are always tested during the build pipeline
- Tested data ingestion pipeline and performed data validation and verification of phenotypical and molecular data (Genomic data)
- Performed data validation on MYSQL database shards by ingesting the standard patient data
- Tested and certified platform docker images by running the regression tests (Automated the password reset link feature for multi-tenant SAAS environment)
- Executed test cases, reported bugs in JIRA & performed browser compatibility tests on chrome, firefox and IE browsers using Selenium Webdriver and Grid
- Configured Jenkins jobs to run against pre-prod and prod environments for seamless application releases
- Created emailable test reports using TESTNG framework which improved the build pipeline
- Performed regression tests on various reporting modules like marker frequency, molecular data comparison (Somatic, RNA)

**Datacreed****May 2013 to Aug 2017****Software Test Engineer - Mobile & Web**

- Successfully released the data import & search module, which loads the CSV file & makes it searchable for customers through a web interface
- Written test cases for REST APIs using postman and automated using RestAssured
- Performed manual testing on search & filtering modules and provided feedbacks for fine tuning the search experience
- Load tested the search engine service & generated test reports for fine tuning the application

**Syde ([www.syde.com](http://www.syde.com))**

- Written end to end automation test suites, test plans and performance testing plans
- Spoof mobile device GPS location & tested the accuracy of the jobs posts in different locations
- Intercepted and tested the HTTP traffic using chrome / firefox tools and provided performance reports of REST APIs and each page loads
- Have done memory profiling on the web pages using chrome developer tools and enhanced the page load frames which significantly increased the performance of the application
- Tested mobile application modules - email delivery (Amazon SES), push notifications (ios and android), chat modules (socket io), google maps, mobile data caching, job status, stripe payment integrations and image uploads
- Written automated tests for REST APIs using TestNG and RestAssured for different environments (Pre-Prod & Production)
- Tested the web pages using PageSpeed Insights & provided reports which improved the website performance
- Prepare test data, validate data & build traceability matrix for requirements and scenarios
- Automated the core components (Post Job, User Registration, Authentication, History Modules) end to end
- Implemented test scenarios using java cucumber by working with the product owner
- Generated Reports using TestNG & integrated with Jenkins for continuous delivery of software packages
- Performed manual testing on messaging & payment modules of the application
- Monitored the logs in the AWS Servers & conducted stress testing on the REST APIs and provided valuable feedback to the development teams to tune the system

**Kudukis Group International, LLC****Dec 2011 to May 2013****Software Test Engineer**

- Played a key role in launching & maintaining the candidate tracker application, which helps to search & label the candidates for the current recruitment needs
- Worked closely with developers & product owner to understand the requirements & architecture
- Performed manual regression tests during each & every application releases
- Monitored the jenkins jobs and triggered builds
- Tested the login, authorization & email tracker modules within the application
- Log defects, defect retesting, tracking & follow up with the developers
- Involved in the requirements phase & written test cases prior to the implementation
- Developed UI selenium scripts for automating the UI features (Firefox plugin – record & play)