

YOGI NAYUDU

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- **Over 12 years** of experience in Software Engineering throughout the Software Development Life Cycle including Analysis, Design, Estimation, Development, Testing and Deployment of Client/Server, Web, Mobile and enterprise applications.
- **Test Architect/Lead** passionate for quality excellence and delivering the product to the specification.
- Proven experience in **developing automation frameworks** from scratch and maintaining existing automation frameworks.
- Strong experience in developing automation tests using **JVM (Java/Scala/Groovy)** and **Java Script (Node/TestCafe/Nightwatch/Mocha/Jest)** technologies.
- Experience in developing **automation tests** for **mobile applications** using **Selenium/Appium**.
- Experience in **DevOps** technologies, Docker, CI/CD (Jenkins/Drone), Kubernetes, Reporting (Splunk / Kibana / Grafana)
- Experience in performing **Non-Functional Testing** includes **Performance, Stress, Scalability and security** testing.
- Experience in **Functional Automation** and **Performance Automation** of the **API's** and the **Web services, Web Applications** and **Mobile Applications**.
- Experience in testing Applications **cross browser** (Internet Explorer, Fire Fox, Safari, Google chrome) and **cross platform** (Android, iOS) in automation framework using **Selenium Grid**.
- Experience in testing of **high traffic cloud services** processing more than **6 billion requests** per day.
- Experience in **testing** and **delivering Micro Services** on CI/CD environment.
- Ability to design and construct **effective functional** and **non-functional tests** at **integration** and **system** test level
- Strong analytical and problem solving skills with **attention to detail** and **test to break** attitude.

Technical Proficiencies**Design Skills (7 Years):**

Object Oriented Analysis and Design, Micro Services, Messaging systems, SOA

JVM Languages (10 Years):

Java, Scala, Groovy

JavaScript (3+ Years):

Node, Mocha, Jest, React, WebDriverIO, Nightwatch, TestCafe

Test Automation (6+ Years):

Selenium Web Driver, TestCafe, Appium, Selenium Grid, Cucumber, JBehave, SoapUI/Pro, JUnit, TestNG, Load Runner, Rest Assured, Scala Test, Browser Stack

Performance Test Tools (4+ Years):

Gatling, JMeter, Web Polygraph

Execution methodologies (6 Years):

Agile Methodology [Scrum, XP], Kanban, TDD, BDD

Database (8 Years):

SQL, PL-SQL, DB2, Oracle, MySQL, Sybase, Vertica, Cassandra

XML/HTML/TEMPLATE (6 Years):

AJAX, XML, XSLT, HTML, CSS, JSON, Velocity, JQuery

Protocols:

HTTP, HTTPS, TLS, FTP, SOAP, SNMP, REST, SAML, LDAP, ICAP

Application Security Testing:

OWASP, ZAP (Zed Attack Proxy), PSI-DSS

Scripting:

Groovy, Shell, Batch, Perl

Source Control:

Git, Stash, Gerrit, Subversion, CVS, and Visual Source safe

Monitoring Tools

Splunk, App Dynamics, Kibana, Grafana

CI and Agile tools

Jenkins, Cruise Control, GIT, ANT, Maven, JIRA, SONAR, Clover, PMD, FishEye, Cruisable, Drone

DevOps

Docker, Kubernetes

AWS Cloud

EC2, S3, Lambda, SNS, Route 53

Qualifications

- **M.C.A (Master of Computer Applications)** from **Acharya Nagarjuna University, India** (2004).
- **Oracle Certified Java Professional**, Java SE 6 Programmer **(95%)**
- **ISEB** certified Test Analyst

Professional Experience

- **Lloyds Pharmacy (Equal Experts)** as a **Test Architect** from **Apr 2019 – Jul 2019**
- **Home Office – Border Force (Equal Experts)** as a **QA Consultant** from **Jan 2019 – Mar 2019**
- **Tesco (Equal Experts)** as a **Developer** from **Apr 2018 – Dec 2018**
- **HMRC (Equal Experts)** as a **SDET** from **Aug 2016 – March 2018**
- **Cisco Systems, London** as a **SDET** from **March 2014 – July 2016**
- **Close Brothers Ltd, London** as **SDET** from **Feb 2012 – March 2014**.
- **SELEX System Integration, London** as **Java Developer** from **Feb 2009 – Sept 2011**.
- **Elsevier Ltd, London** as **Agile Java Developer** from **May 2008 – Dec 2008**.
- **Tech Mahindra Ltd** as a **Technical Associate** from **Jan 2006-Mar 2008**.

Company: Lloyds Pharmacy (Equal Experts)

Duration: (Apr 2019 – Jul 2019)

Test Architect

Project: eRx (Repeat Prescriptions)

Lloyds Pharmacy eRx is an app and web based application which allows patients to order their repeat prescriptions.

Technology: Micro services, AWS, React, Node JS, TestCafe, Jest, SuperTest, Mocha, Java, Pact (Contract Testing), SAAFe Agile, Feature Driven Development, Browser Stack

Responsibilities:

1. Lead quality assurance efforts of the product from end to end.
2. Defined test approach to deliver features with a high quality bar
3. Collaborate with product owner to define acceptance criteria
4. Coach team to adapt QA best practices.
5. Created functional test automation using NodeJS/TestCafe/SuperTest/Mocha.
6. Implemented micro services contract testing using Pact.
7. Setup test infrastructure to execute functional and non-functional tests in CI/CD pipeline
8. Developed Performance test suite using Gatling.

Company: Home Office – Border Force (Equal Experts)

Duration: (Jan 2019 – Mar 2019)

QA Consultant

Project: COP (Central Operations Platform)

COP is an open, web-based platform running on Home Office managed infrastructure and allows API, forms, workflows and reports to be rapidly developed for the support of a range of Border Force services, capabilities and processes.

Technology Used: Node JS, Java, Groovy, Geb, Spock, Camunda BPM, Docker, Kubernetes, Drone, Gatling, Selenium, Appium

Responsibilities:

1. Defined light weight test strategy and test approach as per the team's delivery requirements
2. Created test automation framework using Groovy/Geb/Spock/Selenium/Appium
3. Implemented BDD style workflow UI acceptance tests in the automation framework using Groovy/Geb/Spock/Selenium/Appium
4. Implemented BDD style integration tests in automation framework using Rest Assured/Groovy/Spock
5. Setup Selenium grid in Kubernetes test environment with chrome, firefox, appium nodes
6. Dockerized test suite and created Kubernetes config files to deploy tests as a service in test environment
7. Run web UI automation tests in test environment
8. Run Mobile tests from local environment against appium node in the test environment with real device connected
9. Created Node app to proxy S3 bucket to access test reports with oauth authorization in place.

Company: Tesco (Equal Experts), London

Duration: (Apr 2018 – Till Date)

Developer

Project: Profile

Profile team manages Tesco user's profile data and provides REST APIs to wider platform to get access to the user's profile data.

Technology Used: Java 8, Spring Boot, Micro Services, Swagger, Kubernetes, AWS Cloud, Splunk, Apigee, Gatling, Cucumber, App Dynamics, AWS Lambda

Responsibilities:

1. Design and develop micro services using Spring Boot
2. Created auto generated Splunk detail dashboards for all Micro services
3. Implemented BDD style E2E tests using Java/Cucumber/Rest Assured
4. Created Jenkins build Pipeline to run E2E and Performance tests
5. Developed performance test suite using Gatling
6. Worked with Database team to define data migration strategy to migrate profile data from on premises to cloud
7. Provide support to external teams via team channel and other mediums.

Company: HMRC (Equal Experts), London

Duration: (Aug 2016 – Mar 2018)

Software Development Engineer in Test (SDET)

Project: Secure Our Services (SoS)

Secure Our Services team provides various micro services and libraries to the MDTP platform to authenticate and authorise users.

Technology Used: Scala, SBT, Play Framework, Scala Test, Micro Services, Mongo DB, Gatling, Browser Stack

Responsibilities:

1. Worked with stake holders to decide on Auth road map.
2. Work closely with BA and Dev's to define story test approach and acceptance criteria.
3. Define and implement acceptance tests using Scala Test library
4. Write automated browser tests for regression using selenium web driver.
5. Run automated UI tests using Browser Stack for cross-platform Mobile testing.
6. Provide support to external teams via team channel and other mediums.
7. Implement performance tests for user journeys using Gatling.
8. Exercised performance tests to scale Auth to support SA peak traffic
9. Investigate live issues and provide support on fixing and releasing them.
10. Manage release dependencies and production releases.

Company: Cisco Systems, London

Duration: (Mar 2014 – Till Date)

Software Development Engineer In Test (SDET)

Project: CWS (Cisco Cloud Web Security)

Cisco CWS is a large scale HTTP proxy for providing secure web browsing handling over 6 billion requests a day across 24 data Centres globally.

Technology Used: Java 1.7, Spring, Oracle 11G, Selenium Web Driver, Cucumber, Junit, Cassandra, Vertica, Angular JS, Tomcat 7, Rest Assured, Docker, Micro services

Responsibilities:

1. Designed and Developed CWS test framework project using java/spring/Junit/RestAssured which provides test infrastructure to use in all components test projects, this reduced the boilerplate code across the projects and streamlined all test automation frameworks.
2. Designed and developed component based automation framework using selenium Web driver/Cucumber/JUnit testing tools in java.
3. Done mobile testing by running automation tests with Appium driver against real device.
4. Created light weight test strategy and test plans for agile committed projects.
5. Worked as a Scrum Master for a project that involved in ISO quality audit check.
6. Lead/Mentor other test engineers on using automation framework.
7. Defined Test approach for delivering Micro Services in CI/CD environment.
8. Planning, sizing, estimation of stories in Agile Scrum and Kanban approaches.
9. Created UAT/Beta test plan and conducted Beta testing liaising with customers.
10. Collaborate with Production Owner and Developers to create feature files and BDD test scenarios
11. Created performance test plan using 5 JMeter instances in the distributed environment to perform stress testing and scalability of the component.
12. Virtualised Identity management servers (SAML/LDAP) to reduce identity management component testing time.
13. Created Web Polygraph tests to measure latency and throughput of the new Scanlet.
14. Perform Regression/Performance testing of the components releasing in two-week iteration.

Company: Close Brothers Premium Finance, London

Duration: (Feb 2012 – March 2014)

Software Development Engineer in Test (SDET)

Project: IPrompt

Technology Used: Java 1.7, Tomcat 7, SOA, Mule ESB, Spring MVC, Spring 3, Hibernate, Oracle 11g, Maven, Jenkins, JAX-WS, JAX-RS, XML, XPath, JSON, Soap UI, Kettle, Shell Script, Selenium Web Driver, Selenium Grid, Cucumber, TestNG, JUnit

Responsibilities:

1. Designed and developed component based automation framework using selenium Web driver/Cucumber/TestNg testing tools in java.
2. Participate in agile scrum meetings with developers and business analysts.
3. Involved in defining test strategy related to automation and developed lightweight test plan documents.
4. Collaborate with development team in designing and developing functional automation test scenarios.

5. Collaborate with Business analyst to document functional acceptance scenarios for each features being developed in the sprint.
6. Implement and execute test automation suites, identify, log and resolve defects with the relevant parties, ensuring re-testing and closure.
7. Created functional tests using Soap UI tool for web service components.
8. Executed performance tests using JMeter/Load UI tools to capture performance times for core functionalities.
9. Planning and creating test data sets, incorporating these into the set-up and teardown of environments and test runs as required.
10. Created regression test suites to run in data driven controlled environment.
11. Integration of automated acceptance and regression test suites and tools into the CI/CD pipeline.
12. Written Shell scripts to build/configure automated test suites to run in Jenkins server.
13. Help manual testing team in automating some of the test activities.
14. Performed web application security testing using OWASP ZAP tool and integrated ZAP tool as a proxy in CI/CD pipeline.

Company: Selex SI, London

Duration: (Feb 2009 – Sept 2011)

Java Developer

Project: ITPS (Integrated Train Planning System)

Client: Network Rail, UK

Technology Used: Java 1.6, J2EE, JBoss, Spring MVC, Eclipse, JMock, JUnit, XML, C#.NET, SOA, JBoss, Apache, XSL, Oracle 10G, Maven, Jenkins, Selenium Web Driver, JUnit

Responsibilities:

1. Involved in the High Level software architecture design of the Integrated Train Planning System.
2. Documenting component design documents and demonstrating to the customer for the approval.
3. Acted as a point of contact for the customer for two functional modules.
4. Design, Development and testing of the ITPS Core Components as web services.
5. Design, Development, Test and integrating functional business modules in the system.
6. Orchestrating Business workflow process and implementing in Metastorm BPM.
7. Providing support for the testing team and production deployments.
8. Providing on-call rota production support from the development team.
9. Responsible for designing, developing and delivering the Auto Monitoring support application to significantly reduce the maintenance cost.
10. Reviewing the java code, Metastorm procedures, CDD, SVD and Installation documents.

Company: Elsevier, London

Duration: (Apr 2008 – Dec 2008)

Agile Java Developer

Project: CPPE (Cell Press Platform Extension) (www.cell.com)

Technology Used: Java 1.6, J2EE, JBoss, Spring MVC, Eclipse, JMock, JUnit, XML, C#.NET, SOA, JBoss, Apache, XSL, Oracle 10G, Maven, Jenkins, Selenium Web Driver, JUnit

Responsibilities:

1. Development of various components of the site, using test driven development (TDD) development process and extreme programming (XP) methodologies.
2. Participate in design discussions with in the team and with Architect team.
3. Estimate the stories for weekly iterations.
4. Refactor the code as per the coding standards.

Company: Tech Mahindra Ltd, India

Duration: (Jan 2007 – Mar 2008)

Java Developer

Project: BTVision

Client: British Telecom, UK

Technology Used: Linux, UML, J2SE, Struts 2.0, JSP, JUnit, Asset House (CMS), Java Beans, Servlets, XML, XSLT, Weblogic 8.1 SP5, EJB 2.0, SOAP, Web Services, Ant.

Responsibilities:

1. Working as a core member of Development team and played a key role in Design, Development & Support of BTVision, SSS project.
2. Development of presentation layer using JSP, Java Scripts, HTML and implementation of business logic using EJB and Java Beans in Struts framework.
3. Design, Implementation & Integration of SSS with MSTV (Microsoft Television) Platform for importing and deploying assets to LIVE.
4. Integrating RMS, EPG products and modules through web services.