**Nagender**

**913-526-2873**

**Java Software Developer Engineer** **in Test**

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**PROFESSIONAL SUMMARY**

* Having 8+ years of experience in the IT industry with diversified exposure in Software Process Engineering, designing & building a Web Application using Java/J2EE Technology, AWS &open source technologies.
* Strong Programming Skills in designing and implementation of multi-tier applications using Java, J2EE, JDBC, JSP, JSTL, HTML, JSF, Struts, Spring, JavaScript, jQuery, AngularJS, NodeJS, Servlets, JavaBeans, CSS, EJB, XSLT, JAXB, MongoDB.
* Involved in CI/CD process using GIT, Nexus, Jenkins job creation, Maven build Create Docker image and deployment in AWS environment.
* Good hands on experience using mule connectors like DB, FTP, FILE, SFTP, Salesforce, Workday, SAP etc. as a part of integration usage.
* Rich experience in application development using Oracle Application Express (APEX).
* Strong work experience in PL/SQL, including migration of data from MS Excel file to Oracle tables through Apex
* Write Python scripts to parse XML documents and load the data in database.
* Expertise in design and development of various web and enterprise applications using Type safe technologies like Scala, Play framework.
* Performed configuration, deployment and support of cloud services including Amazon Web Services (AWS).
* Experience with Object Oriented Analysis, Design and object modelling using UML (Use cases, Test Cases, Sequence and Class diagrams) and Unix Shell Scripting.
* Experience in developing Web Services using - SOAP, WSDL and developing DTDs, XSD schemas for XML (parsing, processing, and design). BRMS Fico Blaze Advisor, Drools and JBPM.
* Experienced using Java/J2EE patterns Front Controller, Session, Façade, DOM, Factory Method and Singleton.
* Practical experience in using IDE tools such as RAD, NetBeans, and Eclipse and application servers WebSphere, Weblogic and Tomcat.
* Hands-on Senior Engineering Manager for SaaS and Big Data/Analytics platform and DevOps teams.
* Experience in SQL using Oracle 9i/10g, T-SQL and PL/SQL using Oracle Elastic search/NoSQL.
* Experience in build/deploy tools Ant, Maven and Jenkins. Nexus, Git Stash, Sonar.
* SDLC Methodologies: Waterfall, Agile/SCRUM.
* Used Agile (SCRUM) methodologies for Software Development.
* Hands-on experience in unit testing frameworks TestNG and Junit.
* Managed and maintained Oracle and NoSQL (MongoDB) databases in production domain.
* Experience in design and development of Model View Controller using Servlet, Struts 1.1 and Spring MVC.
* Good understanding/knowledge of Hadoop architecture and various components such as HDFS, Job Tracker, Task Tracker, Name Node, Data Node and Map Reduce programming paradigm.
* Experience with version management software such as ClearCase, Concurrent Version System (CVS), Subversion (SVN) and Visual Source Safe (VSS) and tools like ClearQuest.
* Hands-on experience in using logging frameworks log4j and slf4j.
* Above 7 years' experience with Core Java and multithreading concepts.
* Implemented new solutions with emerging technologies for resolving issues such as inefficiency, performance bottleneck in distributed applications.
* Good understanding and familiarity with Devops.
* Proficient in Unit Testing and Integrated Testing. Conducted cross team trainings on software technologies.
* Mentored team member to learn and use emerging technologies and domain knowledge.
* Provided solutions to automate development and testing for web services based application.
* Strong analytical thinking and problem-solving skills backed by effective communication skill.

**EDUCATION:**

Bachelor of Computer Science and Engineering

**TECHNICAL SKILLS:**

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| --- | --- |
| **Languages** | Java 8 (JDK 1.4/1.5/1.6/1.7/1.8), Python. |
| **Frameworks** | ASP.NET, JSF, Spring Framework, jQuery, Spring MVC, Java Swings, JSF, JUnit, Log4J, Ant, Maven. |
| **Web Technologies** | JSP, Servlets, Angularjs, jQuery, ReactJS, NodeJS, EJB, Hibernate 3.0, Struts, Spring, JDBC, HTML5, DHTML and XML, CSS3, Web Services, WSDL, SOAP, MQ Series, Apache Camel, Kafka, Spring Boot, Express.js, Bootstrap, Jenkins, Backbone.js, Ember.js, Knockout.js, Ext.js |
| **Application/Web Servers** | Struts, Spring, Hibernate, Java EE, Junit, WebLogic 8.x/9.x/10. x. JBOSS 3.x/4.0, IBM Web Sphere 4.0/5.x/6. x. |
| **IDE Tools** | Eclipse (Juno, Galileo, Helios, Indigo), Rational Application Developer (RAD) and, JBuilder, Apache Camel, JUnit, NetBeans, TestNG and UML |
| **Web Services** | AWS |
| **Databases** | Oracle 11g/12C, MySQL, SQL, MongoDB, Mainframes, Teradata, PostgreSQL |
| **Reporting Tools** | Crystal Reports, BO XI R3. |
| **Cloud** | AWS. |
| **Version Control Tools** | CVS, VSS, Rational ClearCase, Tortoise SVN, Mercurial, ANT, Maven |
| **Testing** | Selenium, Karma, Unit, Integrated. |
| **Messaging Tools** | JMS, Java Mail. |

**Professional Experience:**

**Client: BCBS Durham, NC. Jan 2016 --Present**

**Role: JavaSDET.**

**Description:**offers Healthcare, insurance, brokerage, retirement and asset management services. It has huge customer data that is a key tool in risk scoring analysis and for sales, promotion and marketing campaigns. Further external data like home values, merchant records from hotels, aviation, retailers etc, is bonding used to provide a comprehensive view of the customer. Hadoop is utilized for customized product offering, priority services and for new product development and bundling as per the customer segment profile.

**Responsibilities:**

* + Actively involved in software development life cycle starting from requirements gathering and performing Object Oriented Analysis. Followed Agile SCRUM methodology and used Test Driven Development (TDD).
  + Analyzed the system requirements and developed detailed test plans and test cases and provided the documentation.
  + Collaborated with product management teams in an agile environment to develop a comprehensive set of tests for web-based applications.
  + Involved in complex test cases dealing with Business rules, under writing issues and validations.
  + Involved in test cases related to quote screens and rating behavior.
  + Tested the behavioral changes in modifiers according to question sets response.
  + Studied and analyzed the Functional Requirements Specifications and System Design Specifications and interacted with developers for changes in requirements if any.
  + Developing Test plan of the application as per technical specifications.
  + Involved in writing Unit and Regression Test cases for the Product.
  + Involved in Web Services Testing using SOAP UI.
  + Performed Black Box Testing, UAT Testing and extensively used Selenium for Regression, Smoke, Functional Testing and data driven testing using excel file in Selenium.
  + Used ANT and MAVEN to build and run the Selenium automation framework. Once the script got finished, used Jenkins to send the automation reports over email.
  + Customized and maintained the test data in Automation Regression Framework (ARF).
  + Developed Automation framework for both Data driven and Hybrid using Selenium WebDriver in Java and performing unit testing by using TestNG.
  + Used XPath and DOM to work with dynamic and static objects in Selenium.
  + Configured Selenium WebDriver, TestNG and created selenium automation scripts in java.
  + Created checkpoints and synchronization points in the application to deal with timing problems.
  + Analyzing and developed test script, test cases and performed Manual and Automation Testing like Positive Testing and Negative Testing.
  + Performed ETL testing and precise documentation.
  + Prepared Technical Design Document and Data Mapping Document for ETL Testing using Informatica.
  + Prepared Test cases for ETL testing and performed ETL data load to staging database using shell scripts.
  + Creating and maintaining various databases using SQL Server 2005/2000.
  + Prepared manual test cases for service appointment creation, modification and deletion.
  + Created automated test scripts for validating the nightly product builds and regression testing.
  + Maintained Defects using Defect Tracking System in Bugzilla.
  + Participated in various meetings and discussed Enhancement and Modification Request issues.
  + Performed all test assignments to ensure the application meets business requirements and client expectations.
  + Interacted with developers & various members of project team to discuss and resolve defects and to determine their priorities.
  + Handled various operations like pop-ups, Web-Alerts, Java-Alerts, I-Frames, window-handling and utilized Select class and Actions class for required operations.
  + Summarize test results in formula test analysis reports according to the documentation standards.
  + Experience in implementing J2EE Design Patterns like MVC, Session Facade, DAO and Singleton.
  + Resolved bugs/defects in application. Used GIT as version management, Jira for defect management system.
  + Used Web Sphere Application Server for deploying various components of application.

**Environment:**Java, J2EE, CI/CD, Spring, JSF, Prime faces 3.2, WebServices, Microservices, Restful, SoapUI, Cucumber, Apache CAMEL, Tomcat, JMeter, JUnit, JBPM, Selenium WebDriver, TestNG, SQL, Bugzilla,Jenkins, SVN, Windows XP, MS Access and MS Excel, HTML5, ,PYTHON,CSS, Perl(5.12), IBM RAD, JavaScript, Bootstrap, jQuery, AngularJS2, ReactJS, Maven, AJAX, XML, XSLT, Java Beans, Responsive Web Design, UML, Design Patterns, log4j, Agile Methodology.

**Client: Cerner Corporation Kansas City MO. Jan 2015–Dec2015**

**Role: JavaSDET.**

Description: Cerner Corporation is one of the largest providers of Healthcare Information Technology solutions, services, devices and hardware. Cerner solutions enable physician, nurses, and other authorized users to share data and streamline processes across an entire organization. Cerner's comprehensive portfolio of solutions is designed on a common blueprint known as Cerner Millennium. Cerner Millennium solutions combine technology with knowledge to deliver vital data needed for real-time decision-making.

**Responsibilities:**

* Provided technical guidance to business analysts, gather the requirements and convert them into technical specifications/artifacts.
* Involved in the designing of the modules and created design documents and various uml diagrams like sequence diagrams, class diagrams and use case diagrams for various use cases.
* Developed SoapUI tests.Developed large, scalable robust applications using JBoss Clustering.
* Utilized Agile Methodologies to manage full life-cycle development of the project.
* Developed web-based applications using Python, CSS and HTML.
* Testing of new features by creating test specifications, test cases, and working closely with development and business teams.
* Performed Functional Testing, Regression Testing, User Acceptance Testing (UAT), and Integration Testing using Black Box Testing methodologies.
* Reviewed and updated Requirements Traceability Matrices (RTM) that satisfytheentirerequired project's test conditions.
* Define, develop and execute automation test scripts using Java that leverage black and white box testing across functional.
* Tested compatibility of application for dynamic and static content under various cross browsers using HTML IDs and XPath in Selenium.
* Developed automated scripts using Selenium WebDriver, Java, Junit in Eclipse IDE to perform functional and regression testing for web based applications.
* Automated Database validations using open source API like Apache poi and used jxl and poi library for fetching the data from Excel.
* Implemented Maven Build tool by configuring the POM file with all required Jars and maintained the POM file.
* Creating and updating Java test scripts using Selenium IDE and Selenium Web-drive.
* Implemented well-formatted Logs by using API's Like Log4j and Reports using TestNG.
* Executed scripts on multiple browsers simultaneously using Selenium Grid.
* Implemented Test driven development (TDD) framework using cucumber tool with Gherkins Language.
* Designed responsive and browser compatible pages using HTML, CSS and JavaScript.
* Created Features in cucumber and started automating the User stories before the development ends
* Worked closely with the product owner and scrum master to design testing Cucumber.
* Implemented Page Object Model(POM) by creating objects for each page.
* Tested REST and SOAP Services by using SOAP UI tools and Rest Clients and validated the responses against the database.
* Responsible for preparation of Test cycle/progress reports, analysis of defect metrics& implement improvement actions for next iterations.
* Involved in Defect Management, Defect Review and Defect Status Reporting.
* Identifying, logging, tracking and escalating bugs using Rally.
* Handled various Ruby API's REST, AWS
* Write QTP test cases/UFT functions using VB scripts for completeness and accuracy based on the functional specifications to test web services interface.
* Monitor HP ALM for RTMIS, test planning, defect report and executing the test cases.
* Maintained QA/Test environments and assisted in build and deploy activities.
* Communicated testing status to QA lead, project managers, and teams who are involved in User Acceptance Testing.
* Manage re-architecture of Jenkins and integration with Confluence for release management and documentation.
* Used version control repository SVN (Subversion by apache) and JIRA for issue tracking.
* Developed the automated provisioning of AWS cloud environments using Jenkins and chef.
* Involved in complete cycle on migrating physical Linux/Windows machines to cloud (AWS) and test it.
* Designed and implemented scalable, secure cloud architecture based on Amazon Web Services.

**Environment:** AWS, Java 5 J2EE, JDK 1.5, Java Beans, Spring 2.5, Java Script, CI/CD, J-Query, EJB, Hibernate 2.0, Elastic search, Eclipse, Tomcat, Mule ESB, mule soft, Jenkins, Toad, Gherkins, Oracle 11g, MongoDB, PL/SQL, Selenium, Cucumber, Log4j, Pivotal Cloud Foundry, JMeter, XML, HTML 4.0, ReactJS, JBoss 4.2, JUnit 4.0, DRUPAL, Soap, JMS, Web Services, Weblogic Application Server.

**Client: BMO Harris Bank Chicago, IL. May 2013 –Dec 2014**

**Role: JavaSDET .**

**Description:**MapSync application for the PG&E Locate & Mark team to view GIS maps when they are called on location to mark out areas where there may be gas and electric assets underground. This is part of the "USA North 811" program.

**Responsibilities:**

* Actively involved in software development life cycle starting from requirements gathering and performing Object Oriented Analysis. Use Agile (SCRUM) methodologies for Software Development.
* Implemented and executed Test cases on different browsers concurrently by integrating Junit Framework with Selenium WebDriver.
* Involved with all types of manual testing including Functional testing, Adhoc testing, Smoke testing, Positive & Negative testing, Regression testing, Integration testing, GUI testing & Browser Compatibility testing.
* Designed and Developed Hybrid automation framework and maintained code in GitHub, used continuous integration tools like Jenkins to schedule the jobs.
* Wrote complex SQL Queries to validate the integrity of the database and tested database table data.
* Used SQL statements to extract data from the tables to validate test results in SQL server.
* Developed test related documents including Test Plans, Test Procedures, Test Cases and Test Scripts.
* Tested the application for Functionality and documented all pass-fail report, created modification requests, assigned modification requests to respective developers, and verified bug fixing use JIRAtest management tool.
* Tested Web Services using SOAP UI tool and Rest Client plugin for Firefox by consuming WSDL and WADL files and validated the response against the database and inserted assertions.
* Used clear case version control for source code. Involved in debugging the application modules.
* Used Log4j for logging and debugging and used JUnit extensively for testing.
* Used Web Sphere Application Server for deploying various components of application.

**Environment:** Selenium, Oracle, MS-Office, XML, SQL Server, HTML,GitHub, Jenkins, JIRA, Firebug, Eclipse, Hybrid,Junit, SOAP UI, RESTAPI, WSDL, WADL.

**Client: State of North Dakota – Bismarck, ND. Aug2012 – Apr 2013**

**Role:QA Analyst.**

**Description**: State of North Dakota Information Technology Department supports IT needs of state government and higher education institutions. ITD’s mission is to provide knowledge to assist the customers in achieving their mission through the innovative use of information technology. For this, we develop software to support the client business requirements as well as the internal needs. Also, we assure the quality of software by testing the software.

**Responsibilities:**

* Involved in overall system's support and maintenance services such as defect fixing, future enhancements, testing and documentation.
* Gathering and Analyzing Use Cases, Business Requirement Documents, functional specification and other documents for test planning and testing.
* Experience in writing Automation scripts and frameworks using Java.
* Experienced in Software testing methodologies such as Waterfall model and Agile Methodology.
* Working as the SDET (Software Development Engineer in Test) automation using agile development framework using java.
* Conducted Training programs on following topics: Requirements analysis, Software Testing Methodologies, Software Inspection, Software Project management, Soft skills
* Documented requirement changes, acceptance criteria and create test plans and test cases to ensure that overall quality is delivered to the end users.
* Executing test cases manually, and providing feedback to the product and development team
* Performing Functional testing, Positive testing, and Negative testing manually along with integration testing, system testing, UI testing, API testing, database testing, regression testing, and sanity on production.
* Identify, analyze, and document all programming errors (software bugs) and operational characteristics that are inconsistent with stated requirements and design specifications
* Reporting and communicating test results on all assigned projects, defects/issues, change requests and tasks.
* Develop Use cases, test cases and Traceability matrix and keeping them updated.
* Involved in creating Automation test scripts using QTP/UFT.
* Data Access layer (DAO) development using Hibernate to communicate with Oracle.
* Designed and Developed Presentation Tier using Struts Taglibs, Tiles, JSF and JSP pages integrating AJAX, Custom Tag's, jstl, HTML, DHTML and JavaScript.
* Used Apache Axis to generate WSDL and web Service clients. Used Apache Log4J for logging.

**Environment:** Java, J2EE Weblogic Server,JMeter, JUnit, JBPM, Selenium WebDriver, TestNG, SQL, Bugzilla,Jenkins, SVN, Windows XP, MS Access and MS Excel, HTML5

**Client:ING Vysya bank - India. Jan 2011 – Jul 2012**

**Role: QA Analyst.**

**Description**: ING Vysya Bank serves individuals, small businesses, middle-market companies, and institutions throughout major cities and suburbs across India. The bank provides online banking to support its renowned customers. The current application is a part of online banking that a leverage to set up his online account and make e-bills payment as well as intra account transfers. As part of the Online Banking Software Development Team I helped with various responsibilities to develop a robust functional application code.

**Responsibilities:**

* Developed Admission & Census module, which monitors a wide range of detailed information for each resident upon pre-admission or admission to your facility.
* Reviewed the business requirement specification (BRS) and Functional Requirement Specification Document (FRS) and was involved in preparing a detailed test plan.
* Involved in Preparing Test plans and Test cases to cover overall quality assurance.
* Working as the SDET (Software Development Engineer in Test) automation using agile development framework.
* Developed the Test Cases Manually based on the Functional Requirement Specification.
* Performed manual testing of the applications related to Mortgage, Hospitality.
* Performed Smoke test every morning after each build.
* Executed the test cases for Black box testing, Positive and Negative Testing, Integration Testing, System Testing and Regression Testing.
* Performed Testing of Financial Management Reporting Applications
* Automated the manual test cases for the future builds of the Application.
* Analyzed the Test Results and documented the same using Quality Center.
* Prepared the defect reports and interacted with developers for debugging and used rally and sonarqube in this.
* Generated Reports in Quality Center for defect tracking to be used by project management team for project tracking.
* Wrote SQL queries to test the integrity of data by querying the back end database.
* Performed Validation of Stored Procedures according to their functionality.
* Created Test input requirements and prepared the test data for data driven testing
* Interacted with development team to ensure that all the defects are addressed in time.
* Involved in design of JSP's and Servlets for navigation among the modules and designed cascading style sheets, XSLT and XML part of Order entry
* Hosted the application on WebSphere and used Maven as the build automation tool.

**Environment:** Java 1.5, XML, Oracle 8i, HTML, SQL, Toad, Quality Center, Windows NT/2000Defect Tracking Tools: Rally, HP ALM, sonarqube .

**Client: Airtel, India March 2009 – Dec 2010**

**Role: Java QA Analyst.**

**Description:** Bharti Airtel Limited is a leading global telecommunications company with operations in Asia and Africa. Headquartered in New Delhi, India, the company's product offerings include 2G and 3G wireless services, mobile commerce, fixed line services, high speed DSL broadband, IPTV, DTH, enterprise services including national & international long-distance services to carriers. In the rest of the geographies, it offers 2G, 3G wireless services and mobile commerce.

**Responsibilities:**

* Involved in full life cycle development of system requirements and the implementation of the project.
* Participated in Requirement Analysis, JAD sessions and Use-Case Analysis with Business Analysts, project Leads and end users.
* Prepared test plan overview and test plan detail for different functional module.
* Developed Test Plans, Test Cases, Test Scripts, Test Scenarios and Test Data.
* Worked on Visual Basic, performed extensive data driven testing using concepts of Parameterization.
* Made recommendations to improve product reliability, performance, quality assurance best practices and processes.
* Conducted various management activities by analyzing and verifying test results and providing status reports.
* Created Traceability between Requirements and Test Cases using Quality Center.
* Validated product fixes and informed the Test Lead about any issues that may affect the schedule, or quality of the product or the testing process.
* Used HP Quality Center to report defects and test results.
* Conducted data-driven testing on pricing functionality with different data sets.
* Conducted formal bug review meetings& produced daily progress report to Business and Project Managers.
* Assisted the team lead with daily QA tasks, attended project meetings, release meetings, and QA status meetings

**Environment:** JSP, Servlet, Struts, Swings, Pl/SQL, Oracle9i, JavaScript, Eclipse, CSV, Core Java, Apache tomcat.QTP, Waterfall, HP Quality Center.