**Full Stack Developer**

**Rajinikanth Nagula**

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**PROFESSIONAL SUMMARY:**

***IT professional with more than 7 years of full stack development experience in all stages of the Software Development Life Cycle (SDLC), including analysis, design, development, implementation, and testing of web-based enterprise business applications using Java/J2EE technologies.***

* Proficiency in all phases of the SDLC as well as **Agile** Software Development techniques like Scrum and Sprint as well as Traditional Software Models like **Waterfall** and **TDD (Test-Driven Development).**
* Proficient in UI design, created Front End using **JSP, HTML5, CSS3, JavaScript, Ajax, jQuery,** **Angular and ReactJS**, **MVC** frameworks such as Spring **MVC, Struts, JSF, and JQUERY**.
* Expertise in the implementation of core concepts of **Java, J2EE technologies, JSP, servlets, JSF, JSTL, EJB** transaction implementation (CMP, BMP, Message driven beans) JMS, struts, spring, swing, **XML, JDBC, Hibernate, Java Beans, JNDI, Multi-Threading** etc.
* Working knowledge of the **Document Object Model (DOM)** and its features, as well as proficiency with development tools such Eclipse, MyEclipse, TOAD, NetBeans, SQL Developer.
* Developed different **Web Components** such as JSPs, Servlets, Filters, Custom Tag Handlers and Business components such as RMI, EJB, JMS, and Web Services.
* Hands on experience in developing server-side JavaScript frameworks using **Node JS** (Hapi JS, Express JS, Handlebar JS).
* Extensively worked on **Micro Services** with **Spring Boot** and created dynamic documentation for RESTful webservice using Swagger and integrated them with Hibernate ORM using Spring Boot.
* Has a thorough understanding of all facets of **Technology Initiatives** including business requirements, technical architecture, design specifications, development, and deployment.
* Experience with SQL and PL/SQL to query various Relational Database Management systems including oracle, MSSQL, MySQL, DB2 and PostgreSQL and **No SQL databases like Mongo DB, CouchDB, Cassandra, Dynamo DB and Graph DB.**
* Familiar with and experienced in working with a variety of operating systems, including Linux, Windows NT, Windows XP, and Windows 2K.
* Experienced in MVVM Client-side JavaScript frameworks like Angular and MVC frameworks like Backbone JS, Ember Handlebar JS and Knockout JS.
* Extensively worked with XML technologies such as **XML, XSL, XSD, XSLT, XQuery, XPath**, and **DTD** Proficient with **GUI plug-ins** such as Tiles Framework, Custom Tag Libraries, and Validator Framework.
* Implemented various **Ajax Frameworks** such as **jQuery, DOJO, JSON**. Designed and developed various integration components using JMS and MQ Series.
* Good Knowledge in **Amazon Web Services** (Amazon SQS, Amazon EC2, Amazon S3, Amazon Elastic Load Balancing, Amazon Simple DB, Amazon EBS, Amazon Lambda and Amazon Cloud Front).
* Strong experience in automating Vulnerability Management patching and **CI/CD** using Chef and other tools like GitLab, Jenkins, Bitbucket and AWS Open Stack.
* Experience in Windows Azure services like **SAAS**, **PAAS, IAAS** and worked on storages like **Blob** and **SQL Azure**.
* Significant experience in setting up a **Build Pipeline** such as **Jenkins or Bamboo**, enabling continuous integration and deployment that can run in the cloud or on-premises.
* Good experience using **Docker** for installing, upgrading, testing, removing and running software applications.
* Good understanding of OpenShift platform in managing Docker containers and Kubernetes Clusters.
* Experience in deploying and configuring application servers such as Oracle WebLogic, Glassfish, IBM WebSphere, JBoss and Apache Tomcat.
* Extensive knowledge of XML- based standards and protocols such as WSDL and SOAP, Service Oriented Architecture SOA, development of XSD schemas and implementing both **SOAP** and **REST** web services
* Developed **Struts** based presentation layer, hibernate based DAO layer and integrated them using Spring Dependency injection, ORM and Web modules.
* Extensive knowledge on the **Spring Modules** like **Spring IOC (Dependency Injection),** Spring MVC, Spring Batch, Spring Web Flow, Spring Security (Authentication, Authorization), Spring AOP for Code Modularity.
* Proven experience in developing and deploying Enterprise Java Beans on Application Servers like WebLogic,

WebSphere, and JBoss. Expertise in Cutting-Edge Technologies including **EJB, JMS, XML**, and Web Sphere MQ Series.

* Used various version control software such as **GIT, GIT LAB, SVN, CVS, Big Bucket** for maintaining code repositories and expertise in writing Junit test cases for system testing used Log4j for logging.
* Hands on experience in implementation of **Pivotal Cloud Foundry (PCF**) services such as Pivotal Container Service, Pivotal Application Service and Pivotal Functional service.
* Excellent Technical, Analytical, Problem-Solving skills, strict attention to detail and ability to work independently, work within a team environment.

**Technical Skills:**

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| **Languages** | Java, Python, PHP, SQL, PL/SQL |
| **Java Technologies** | JSP, JSTL, Servlet, JDBC, EJB, Java Beans XSD, SOAP, WSDL, Axis, Apache CXF, Java Security, JBPM |
| **Databases** | Oracle 11g, SQL Server, DB2, MySQL, PostgreSQL, Mongo DB, Cassandra |
| **J2EE Technologies** | Servlets, JSP, JSF, JMS, JNDI, JDBC, SOAP, RMI |
| **Frameworks** | Spring, Hibernate, Angular, Spring Security, Spring MVC, Spring Boot, Spring Data, Spring Cloud, Spring AOP, Servlets, Java Swing, Applets, Spark |
| **Operating Systems** | Windows, Linux, Unix and Mac OS |
| **Methodologies** | Agile, Scrum, RUP, TDD, OOAD, SDLC |
| **Design Patterns** | MVC, DAO Pattern, DTO, Front Controller, Session Façade, Business Delegate. |
| **Web Servers** | Apache Tomcat, IBM WebSphere, BEA WebLogic, JBoss and Kafka |
| **Web Technologies** | HTML/CSS, DHTML, AJAX, Bootstrap, JavaScript, jQuery, XML, XSLT, XSL, CSS, JSON, Node JS, AngularJS, Angular, React JS. |
| **Cloud Technologies** | AWS, Pivotal Cloud Foundry (PCF), Docker, JIRA, Azure. |
| **Web Services** | WSDL, UDDI, SOAP, REST, Restful, JAX-WS, JAX-RPC, JAX-RS |
| **Build Tools** | ANT, Maven, Gradle and MS Build |
| **Testing Tools** | Junit, SoapUI, Putty, Mockito, Selenium, Log4j, Lambda Test |
| **Code Coverage Tools** | SonarQube, Veracode, Black duck |
| **Version Controls** | SVN, GitHub, Azure repo, Bitbucket |

**Professional Experience:**

**Client: Humana INC**

**Duration: July 2022 - present**

**Role: Sr. Full Stack Developer**

**Location: Louisville, KY.**

**Responsibilities:**

* Active Role in all phases of the **Software Development Life Cycle (SDLC)**, including modeling, analysis, design, development, system testing, and user acceptance testing. Fully engaged in agile methodologies, including Scrum and **Test-Driven Development (TDD).**
* Implemented **micro service** architecture with spring boot-based services interacting through a combination of REST and spring boot.
* Developed microservices and created APIs using java **Spring Boot** framework using maven as build tool and hosting microservices on AWS.
* Developed **REST** based Web Services with Spring Boot for data retrieval to make it independent of the current application.
* Implemented core features of **Angular** framework such as dependency injection, data binding, filters, templates, directives and deep linking.
* Implemented **Angular** **router** to enable navigation from one view to the next as customer performs application tasks and implemented with Angular custom pipes to format data before displaying it to the user.
* Utilized **Angular** as framework to create a **Single Page Application (SPA)** which can bind data to specific views and synchronize data with server using Sass, Bootstrap.
* Implemented customer side validations using **Angular** and created services on **UI** for storing and retrieving data from UI to the backend.
* Created efficient design and developed User Interaction screens using **HTML5, CSS3, JavaScript, Angular, JSON** andused **Ajax** for service calls on pages to interact with the servers.
* Developed Maven script and Maven build and continuous integration servers like Jenkins, GIT for version control management between various integration and development streams.
* Deployed spring boot based microservice in **Docker** container using **Amazon EC2** container services and using AWS admin console.
* Involved in **Cassandra** data modeling going through the phases of creating conceptual model, application flow, logical model, physical optimization and final physical model.
* Created **Cassandra DB** objects like key space, column family, indexes, users and explored CQL to support various application activities.
* Implemented RESTful web services, which use Jersey for **JAX-RS** implementation and take advantage of both online and mobile applications to complete tasks and create both **XML** and **JSON** files.
* Built end to end **CI/CD** build pipelines in Jenkins to retrieve data, compile applications, perform tests and push tested docker image to internal docker hub and managing orchestration and running of multiple containers onto **AWS EC2** instances using docker swarm.
* Developed CI/CD system with Jenkins on **Elastic Kubernetes Services** container environment, utilizing **Kubernetes** and **Docker** for the run time environment for the CI/CD system to build, test and deploy.
* Involved in support and maintenance activity for **Check Marx** upgrade/installation, Jenkin upgrade/installation, fixing potential vulnerabilities on Jenkins servers.
* Developed the Maven scripts for the application's automated deployment, managed GitHub projects, migrated from **SVN** to **GitHub** with merge and versioning, and made use of Jenkins for continuous integration.
* Performed code analysis with **check Marx** and served as **Subject Matter Expert (SME)** in the field of application security and cyber security operations.
* Supported the application in production and used **SPLUNK** to review the production logs.
* Built data collection pipeline for connecting GUP logs, event logs in **JSON** format using Apache Kafka, spark streaming, Scala Cassandra.
* Developed unit test cases using the **Mockito** framework for testing accuracy of code and logging is done using **SLF4J** and **Log4J**.
* Developed **JUnit** test cases for functional and unit testing of various modules, as well as code documentation for upgrades and future reference.
* Developed a variety of scientific applications in python and **MATLAB** scripting languages in order to automate company procedures.
* Implemented various **ServiceNow** modules such as change management, incident management, problem management, service catalog and configuration management.
* Involved in **AWS Cloud Front, S3 and Lambda** Web Services to integrate the server side and client-side code.
* utilized AWS SDK for connection to **Amazon S3 Bucket** as it is used as object storage service to store and retrieve the media files related to application.
* Performed amazon AWS cloud services like **LAMBDA** functions for producing data from different sources and used amazon cloud watch to monitor AWS services and amazon cloud watch logs to monitor applications.
* Designed, developed and deployed highly available, highly scalable web applications, using various AWS services such as AWS ECR, terraform, AWS aurora backed RDS instance, S3.
* Utilized **Eclipse** as integrated development environment for developing J2EE components. Created **Data Dog** dashboard alerts and worked on bosh deployment using **Data Dog** for PCF platform.

**Environment:** Java, J2EE, RCP, AWS SDK, Ext JS, Git, Swing, JFC, Spring, AWS SNS/SQS, hibernate, Core Java, SOAP/Rest, Web Services, JavaScript, Web Services, HTML5, CSS, SASS, JIRA, JAXB, Linux, JAX-WS, JAX RPC, JMS, JSF, UNIX, Cassandra DB, Angular, Service now, AJAX, Apache JMeter, JUnit, Maven, Eclipse.

**Client: Tresata Inc**

**Duration: Jan 2022 - July 2022**

**Role: Java Developer**

**Location: Charlotte, NC.**

**Responsibilities:**

* Active Role in all phases of the **Software Development Life Cycle** (**SDLC**), including modeling, analysis, design, development, system testing, and user acceptance testing. Fully engaged in agile methodologies, including Scrum and **Test-Driven Development (TDD).**
* Defined and constructed layers, server-side objects and client-side interfaces based on **J2EE** design patterns, Developed and implemented Swing, spring and J2EE based **MVC** framework for the application.
* **Business Delegate, POJO, Controller**, and **DAO** were all built together with Core Java collections, Generics, Exception handling, and Design patterns for functionality such as portfolio summary and user information.
* Created **Java8** Lambda expressions and Streams to do chain operations like Map, collect on a collection of objects, filters as well as internal iteration.
* Utilized **React JS** for creating interactive UI’S using one way data flow, virtual DOM, JSX, react components and worked on react JS components, forms, events, keys, routers, animations and flux concept.
* Implemented the **MVC** architecture using backbone.js, Node.js and ReactJS and used React JS to create custom components for data manipulations and to display data in company standard format.
* Developed API gateway using node.js and used **MongoDB** as a database for storing the information and involved in MongoDB concepts such as locking, transactions, indexes, replication, schema design.
* Developed applications using node JS for **Asynchronous Module Definitions (AMD)** and grunt as task manager, worked on message routing and **Kafka** broker implementation in node JS.
* Managed dependencies for application in the Node JS environment using npm/bower package manager and implemented modules into **Node JS** to integrate with requirements.
* Customized NoSQL database like **MongoDB** installation, configuration and in designing MongoDB multi-shared cluster and monitoring with MMS.
* Provided the roadmap for the **MongoDB** conversion and implementation support and developed MongoDB data model considering current functionality and business need of application.
* Involved in developing the UI pages using **HTML, DHTML, CSS, JavaScript, react, JSON, J-Query, CSS** and **Ajax** as per the requirements provided by the client.
* Focused on Proof of Concept for developing application using Node JS with react JS and MongoDB and Utilized MongoDB to run the reports and query the database for low latency and fast accessing.
* Setup **CI/CD** workflows/pipelines for delivering the software changes into production more often in a more reliable manner.
* Deployed applications into Jenkins for continuous integration with Gradle and GitHub setup the Continuous Integration **(CI) &**Continuous Deployment **(CD)** for the application using Jenkins.
* Set up CI/CD (continuous integration and continuous deployment) workflows/pipelines using Jenkins Artifactory, Subversion, **JIRA**, Docker and Ansible.
* Virtualized servers in Docker as per test environments and Dev-environments requirements and configured automation using Docker Containers and created script to build and push docker images in Docker Hub.
* Created quality gates in SonarQube dashboard and enforced in the pipelines to fails the builds when conditions not met and used **SonarQube** for code validation to avoid violations.
* Implemented Ant scripts to build and deploy the applications in WebSphere application server and reviewed the code with tech lead and developed the artifacts on source code by using the **ANT**.
* Used putty for **UNIX** login to check the server log and worked on trouble shooting java applications using logs, traces.
* Written JUnit test case for testing the functionality and improve performance using **JProfiler** and Worked on **Log4J** to capture the log that includes runtime exceptions, monitored error logs and fixed the problems.
* Utilized **TSLint** tool that checks typescript code for readability, functional error and maintainability and Conducted unit testing using open-source **karma** and **jasmine** tools and protractor for end-to-end testing.
* Collaborated with quality assurance and used engineering tools like **Zendesk** to create knowledge articles, support input on sprint demo and test production issues.
* Used azure bricks, created spark clusters and configured high concurrency clusters to speed up the preparation of high-quality data and used azure data bricks for fast, easy and collaborative spark-based platform on azure.
* Deploying the applications into the Azure AKS and extracting the data from the Azure cloud services used Apache Kafka for building the real time data pipelines and storing the data in a distributed cluster.
* Involved **Azure Resource Manager (ARM)** to deploy, update or delete all the resources for solution in a single, coordinated operation.
* Extracted and loaded data from sources system to azure data storage services using combination of Azure Data factory, T-SQL, Spark SQL, and U-SQL Azure Data Lake Analytics. Data ingestion to one or more Azure services (**Azure Data Lake, Azure Storage, Azure SQL, Azure DW**) and processing the data in Azure Databricks.
* Deployed the applications into the **Azure AKS** and extracting the data from the Azure cloud services used **Apache Kafka** for building the real time data pipelines and storing the data in a distributed cluster.
* Migrated existing on-premises infrastructure into cloud using azure and its associated services and Developed azure CXP tools portal which is one solution to all azure customer experience team’s application.
* Implemented the **EXPRESSROUTE** to create the private connections between azure data centers and infrastructure for on premises and in location environments.
* Performed Azure Cloud Activities including azure network, azure virtual machines, azure active directory, azure storage, app services, resource groups and RBAC. Used IntelliJ as an IDE and Performed log monitoring using **ELK.**

**Environment**: J2EE, Spring framework, Spring MVC, Hibernate, Angular JS, jQuery, JSON, JSF, HTML, ELK,

JDBC, AJAX, Web services, SOAP, XML, Java Beans, Net Tool, Apache CXF, Apache POI, Ext JS, Mongo DB, JavaScript, IBM RAD, WebSphere, azure, Design Patterns, IntelliJ, Apache Kafka, JUnit, XSLT.

**Client: SmarterHQ**

**Duration: Aug 2019 - Dec 2021**

**Role: JAVA/J2EE Developer**

**Location: Meridian St., Indianapolis**

**Responsibilities:**

* Involved in the entire "**Agile Development Methodology/SCRUM**" development process, developing and testing the application over several iterations.
* Defined and developed the applications presentation layer using, **HTML5, CSS3, JavaScript, jQuery Scripting** and used backbone.js framework.
* Utilized Spring Framework for MVC architecture with Hibernate to implement DAO code and used Web Services to interact other modules and integration testing.
* Developed and implemented GUI functionality using **JSP, JSTL, Tiles and AJAX** and Involved in consuming, producing SOAP based web services using JAX-WS and tested the web services with SOAP UI.
* Created J2EE design patterns **DAO (Data Access Object), BO (Business Object),** DTO (Data Transfer Object), Front Controller etc.
* Designed and developed restful service interface using spring MVC to the underlying customer event API and Developed portal screens using JSP, Servlets, Struts framework and Used **JSF** with Prime Faces version for UI.
* Developed the application using various spring framework modules like **spring MVC, spring IOC, spring AOP,** spring security and Configured view resolvers and controllers for spring MVC.
* Implemented navigation using the spring MVC controllers, configured the controllers using the spring MVC annotations and configuration files.
* Developed Spring middleware components to implement business logic and used web services to establish SO-based architecture to create a loosely connected system.
* Designed and implemented oracle portal pages, oracle PDK portlets and Thoroughly used Oracle Server as database for development and integration testing environments.
* Involved in creating session **EJBs** that retrieved information from the Oracle database using Hibernate and Thoroughly used **Oracle** Server as database for development and integration testing environments.
* Configured docker container service and build pipeline **Jenkins** CI/CD tools for continuous integration and continuous developing applications on servers.
* Wrote CI/CD pipeline in groovy scripts to enable end to end setup which include many stages of build and development using Jenkins.
* Perform **Static Application Security Testing (SAST**), manual code reviews on the code and Dynamic Application Security Testing (DAST) on the application to find the security vulnerabilities using the **Veracode**.
* Developed ANT scripts to build and deploy the applications in WebSphere application server.
* Executed End User test checklist to identify and log issues that directly impact the customer in addition to tests developed based on Confidential specifications.
* Created type script reusable components and services to consume **RESTAPI’s** using components-based architecture.
* Performed **Junit** and **TestNG** testing Framework as a test runner and JIRA for Project management.
* Worked on data driven testing, Cross browser testing and parallel test execution using Selenium Web driver and **Selenium Grid** and used JMeter for load and performance testing.
* Used JIRA to assign, track, report and audit the issues in the application and monitored front end performance through **JMeter** web drive.

**Environment:** Core Java/J2EE, Servlets, JSP, Java Spring**,** JSTL, EJB, JMS, XSLT, JDBC, AJAX, IBM Web sphere, Oracle 10g, Veracode, IBM MQ, HTML, CSS, JavaScript, Eclipse, UML, CVS, JUnit, ANT, Adobe Flex, Visio.

**Client: QUALCOM PRIVATE LIMITED**

**Duration: April 2017 - Aug 2019**

**Position: Java Developer**

**Location: Hyderabad, India.**

**Responsibilities:**

* Used advanced level of **HTML5, JavaScript, CSS**3 and pure **CSS** layouts table less layout to Create a dashboard for tracking the acknowledgements received from FDA.
* Responsible for designing, coding, and testing web-based and mobile-based software written **in Bootstrap** CSS Framework.
* Utilized **JavaScript** for client-side validations and validation framework for server-side validations.
* Used **TOAD** to interact with oracle database, performance tuning dB execution plans. Heavily used joins stored procedures, views, unions in oracle database to fetch the data.
* Created session EJBs that retrieved information from the Oracle database using **Hibernate**.
* Used **log4j** to provide central logging facility and worked on SVN as version control system on day-to-day basis to maintain the code history.
* Designed and Implemented User Interface in Model-View-Controller Architecture, which accomplishes a tight and neat co-ordination of **Spring MVC, JSP, Servlets.**
* Implemented Spring Framework AOP Module to implement logging in the application to know the application status and Used Spring DAO Module along with Struts Framework.
* Developed the application using Spring **MVC, JSP, JSTL** and **AJAX** for the presentation layer, Spring for the business layer, and Hibernate for the persistent layer.
* Deployed application in Tomcat and developed using Rational Application Developer RAD.
* Developed the applications using **spring MVC** framework IOC (Inversion of control) design patterns to separate the applications configuration and dependency specification from the actual application code.
* Developed **RESTful, SOAP** web services to connect applications, and wrote application-level code to communicate with APIs and RESTful Web Services utilizing **AJAX and JSON.**
* Developed test cases by using **TestNG** for unit testing for each module developed in test driven development.
* WebLogic server was used as application server for the entire project. Used **JIRA** ticketing system to keep track of issues and tasks on individuals.

**Environment:** Core Java, Spring, Hibernate, SVN, Apache, Eclipse, JSP, JNDI, Log4j, JUnit, XML, XSD, Angular JS, NodeJS, jQuery, HTML 5, bootstrap, JavaScript, Web Logic Application Server, Apache Tomcat, Oracle, Windows XP, REST API, servlets, tomcat NetBeans, UNIX.

**Client: NOW FLOATS TECHNOLOGIES PVT LTD**

**Duration: Oct 2015 - April 2017**

**Role: Software Developer**

**Location: Hyderabad, India.**

**Responsibilities:**

* Understanding user requirements, actively participating in design discussions, analyzing the viability of implementation on both the front end and the back end.
* Designed and developed web pages **using HTML, CSS, JavaScript, jQuery** and fixed the browser compatibility issues in IE, Firefox and Chrome browsers.
* Involved in writing application-level code to interact with RESTful web APIs using **AJAX, JSON, XML, jQuery** and worked on AJAX functionality for dynamic data binding for data grid.
* Used jQuery selectors for accessing DOM and controlling access to different web pages of the application and JavaScript for user interface implementation, client validations.
* Implemented **Model View Controller** architecture and developed Form classes, Action Classes for the entire application using Struts Framework and used for server-side validation.
* Used MVC based **Struts** framework to develop the multi-tier web application presentation layer components.
* Involved in the implementation of business logic in s**truts** framework and **hibernate** in the back end.
* Developed the **java server pages** (JSP’s) using the strut framework tag libraries Maintained the strut config files, tiles definition files and web.xml.
* Developed the **WORKFLOW** concept using the struts framework to avoid the back button problems.
* Expertise in back-end procedure development for database applications using DB2.
* written SQL queries for relational database like **DB2.**
* Implemented logging mechanism using **Log4j** Framework.
* Used Log4j for debugging and worked on log4j to validate functionalities.
* Used JSON objects, ECMA script6, typescript, JavaScript and Bootstrap intensively to create web pages.
* Responsible for writing server-side web application logic using python.

**Environment:** Java, J2EE, JSP, Spring, Hibernate, JMS, XML, Web Services, SOAP, AJAX, HTML, JavaScript, CSS, Log4J, JUnit, WebSphere, Application Server, Eclipse.

**Education:**

* Master's in INFORMATION TECHNOLOGY MANAGEMENT **(**Campbellsville university**).**