**Sindhu**

**Summary-**

* Around 9 years of professional experience in the IT Industry involved in Developing, Testing, Implementing, and maintenance of various web-based applications with a focus on System Analysis and Quality Assurance.
* Extensive knowledge in working with J2EE technologies such as Servlets, JSP, Angular JS 6.0, JDBC, EJB, JMS and Object-Oriented Programming (OOP).
* Experience in working with Application Servers like IBM Web Sphere, Web Logic and Apache Tomcat and Had knowledge of JBOSS and Glassfish.
* Expertise in various JAVA frameworks like spring boot, Spring MVC, JPA and Hibernate
* Good experience in Shell Scripting's Server, UNIX and Linux, Open stack, and Expertise Python scripting with focus on DevOps tools, CI/CD and AWS Cloud Architecture.
* Experience with Azure cloud for Windows Active Directory authentication.
* Expert in both Manual and Automation testing using QC, ALM, SOAP UI, Web UI automation testing with Selenium Web Driver, JUnit, TestNG frameworks using Java and JavaScript.
* Superior proficiency in AWT JBoss Hibernate SWT and Java Swing
* Extensive experience in testing SOAP/REST web services using SOAP UI.
* Involved using ReactJS Components, Forms, Events, Keys, Router, Animation and Flux concept.
* Experience in understanding the Business requirements and writing High-Level Test Cases based on Business Specification and executing the Test Cases.
* Excellent working experience on Configuring Jenkins Continuous Integration Server with Build tools like Maven.
* Developing automation projects using IDE tools like Eclipse, STS, IntelliJ
* Experience working on AWS cloud services like Amazon EC2, Amazon S3, Amazon API Gateway.
* Hands-on experience in working with version control systems like GIT, SVN, CVS, and TFS.
* Vast knowledge of utilizing cloud technologies including Amazon Web Services (AWS), Microsoft Azure.
* Good working experience on web technologies like HTML, CSS, JavaScript, Angular JS 2.0/4.0/6.0, Bootstrap, NodeJS.
* Well-versed will all stages of Software Development Lifecycle (SDLC), STLC, Bug Life Cycle, End to End business flows.
* Strong working experience in Agile/Scrum methodologies.
* Strong experience in Functional Testing, System Integration Testing, User Acceptance Testing (UAT) and Regression Testing.
* Expertise in Problem-solving and Defect Tracking Tools like Quality Center, Bugzilla, and JIRA, salesforce, CRM.
* Good knowledge of SQL and experience at conducting Backend Testing by writing and executing SQL Queries for Oracle as well as SQL Server.
* Flexible and versatile to adapt to a new environment and ability to multitask and work independently.
* Good experience in Dev Ops using Stash like Kubernetes, Jenkins, Antifactory.
* Expertise in QA/Production monitoring using tools like Kibana, Grafana

**Technical Skills**

|  |  |
| --- | --- |
| Languages | C, C++, SQL, JAVA, Java Script, HTML, XML, Angular JS, ReactJS |
| Test Framework | Selenium WebDriver, JUnit, TestNG |
| IDE Tools | Eclipse, STS (Spring Tool Suite), IntelliJ |
| Build Tools | Ant, Maven, Gradle, Groovy, Jenkins |
| Scripting | Junit 3.x/4.x, JavaScript, Python, Shell |
| Continuous Integration Tools | Jenkins |
| Processes | Agile-Scrum, Waterfall |
| Messaging Technologies: | JMS, IBM MQ Series |
| Testing Tools | Selenium Web Driver, JUnit, TestNG |
| Source Version Control Tool | Subversion (SVN), Git, TFS, CVS |
| Databases | SQL Server, Oracle, MySQL, MongoDB, Cassandra |
| Operating Systems | Windows, LINUX, UNIX |

**Education Qualification:**

* Highest Degree: Master of Science, Campbellsville University, Professional Master of Business Administration (PMBA), 2020
* Highest Degree: Master of Science, Campbellsville University, Master of Science in Information technology Management, 2019
* Master’s degree: Master of Science, University of Houston Clear Lake, Computer science, 2014
* Bachelors: Bachelor of Technology from Acharya Nagarjuna University in Computer Science, 2013

**Professional Experience**

**Client: Bright speed, Texas July 2022-Present**

**Remote project**

**Role: Senior Java Developer**

* Involved in complete development of complete web Application using Spring boot Micro services, Angular JS, React JS, CSS including AJAX controls.
* Using Rest service to communicate with Backend for various scenarios like login, fetching service, updating modified data.
* Participated in production support and application maintenance support.
* Used hibernate to store persistence data into PostgreSQL database and wrote HQL to access data from the database.
* Worked on the Angular Modules, Controllers, directives, and service Integration to implement key functionality for the accounts page.
* Integrated JMS with Spring Boot by providing an instance which is embedded with ActiveMQ.
* Creating, validating, and reviewing solutions and effort estimate of converting existing workloads from classic to ARM based Azure Cloud Environment.
* Implementing AngularJS Services to bind the data and provide access to the data on the server.
* Extensively used JavaScript, jQuery, AJAX, and Angular JS technologies to build dynamic web contents with high performance.
* Involved in implementing micro services using Spring boot application.
* Deployed services in all the environments using Kubernetes.
* Worked on PostgreSQL, PLSQL in process of delta data load from different applications.
* Developed sub system flows and deployed in cloud space using Microsoft tools.
* Developed IVR forms using power automate tool for Business owned Applications for different VOIP services.
* Worked on e-commerce sales team for brightspeed.com for ordering and pricing the products.
* Worked on object-oriented programming (OOP) concepts using Python, Django, and Linux.
* Used Kafka streams to parse the data from different subsystems asynchronously.
* Troubleshooted and resolved Kafka-related issues, ensuring minimal downtime and prompt resolution of production incidents.
* Migrating legacy applications to bright speed environment and deploying them using CICD pipelines in Azure.
* Responsible for migrating existing modules in IBM MQ to Apache Kafka and worked on creating aws adaptors for decoupling the application dependency.
* Configure Kafka security features like SSL encryption, SASL authentication, and access controls to protect data privacy and prevent unauthorized access.
* Implemented Kafka backup and disaster recovery strategies to safeguard against data loss and ensure business continuity.
* Developed spring boot micro service perform full load and delta load from the different sub systems and stored the data into mongo dB using Kafka streams over the topics and connectors.
* Created Kafka Clusters to save the client keys.
* Designed and developed work Developed sub system flows and deployed in cloud space, exposed the services to use for other systems flows using Microsoft power automate tools.
* Configured CI/CD tool for automatically deploying the java application to different banking environments, including development, testing and production.
* Created the ReactJS components and triggered Angular code to render the React components using lifecycle hooks.
* Deploying Java applications to Azure using Azure Kubernetes Service.
* Implementing data backup and recovery strategies
* Worked on integrated scripts and deploying services in Google cloud platforms (GCP).
* Worked on Mongo DB queries to fetch the data from different applications which are deployed in GCP.
* Involved in testing performance for various applications using Dynatrace.
* Used Jira for tracking user stories.

**Environment:** Java 11, J2EE, Rest Services, ReactJS, PostgreSQL, MongoDB, Eclipse, Git, Azure, Kubernetes, Log4j, Maven, IBM MQ, Jenkins, Junit, GCP, Dynatrace, Angular JS, Jira, Kafka, Microsoft power automate tool, DB2, spring boot.

**Client: Century Link Feb 2021- July 2022**

**Remote project**

**Role: Senior Java Developer**

* Involved in implementing micro services using Spring boot application.
* Involved in complete development of web services.
* Implemented all web applications with object-oriented principle and design patterns.
* Designed, developed, and implemented Kafka-based applications using Java, ensuring high performance, scalability, and reliability.
* Implemented CI/CD pipelines using Jenkins, build, Maven, and deploy the applications.
* Worked on Kafka streams for the data load process.
* Used RESTful Web service to communicate with Backend for various scenarios like fetching service, updating modified data.
* Wrote Angular JS Services to consume RESTful API's web services and processing JSON data.
* Worked in highly collaborative operations team to streamline the process of implementing security Confidential Azure cloud environment and introduced best practices for remediation.
* Worked on integrating JMS with Spring Boot by providing an instance which is embedded with Active MQ.
* Created, managed, and maintained Kafka topics and partitions to organize data streams efficiently, optimizing data flow and consumption.
* Implemented Kafka producers and consumers in Java, handling message production and consumption with considerations for fault tolerance and data consistency.
* Worked on Junit test cases for the functionality.
* Created TypeScript reusable components and services to consume RESTAPI's using Component based architecture provided by Angular9, Used Docker, Spring boot, JBOSS, Azure, Cassandra.
* Set-up databases in GCP using RDS, storage using S3 bucket and configuring instance backups to S3 bucket. prototype CI/CD system with GitLab on GKE utilizing kubernetes and Docker for the runtime environment for the CI/CD systems to build and evaluate and deploy.
* Utilized Kafka Connect for data integration between Kafka and external systems, and Kafka Streams for real-time stream processing and data transformations.
* Provided daily support for production, stage and testing environments for WebSphere MQ operations and problem determination.
* Worked on SQL and Mongo DB collections as apart of FULL and DELTA load of the data.
* Used Jenkins for continuous deployment/integration of the application.
* Used Kubernetes for deploying and logging.
* Used IntelliJ IDE as Java/J2EE IDE tool for creating Java, and build/config files.
* Used REDIS extensively for session management of user’s data.
* Participated in production support and application maintenance support.
* Deployed services in all the environments using Kubernetes.
* Developed, and deployed Java applications on the AWS cloud platform using services such as AWS Lambda and Amazon EC2.
* Created and executed SQL Server's data validation and database queries.

**Environment:** Java 11, J2EE, JSP, AngularJS, Rest Web services, ReactJS, Azure, oracle, MongoDB, Eclipse, Git, Kubernetes, Log4j, Maven, Active MQ, PLSQL, Jenkins, Junit, Kafdrop, AWS.

**Client: Verizon, Irving, TX                                                                         Jul 2017 – Feb 2021**

**Role: Senior Java Software Engineer**

**Project-3: (VNF, ART)**

* Following Agile methodology and Participate in Sprint planning meetings with business users and prioritizing user’s stories.
* Extensive experience of Object-Oriented JavaScript design pattern and JavaScript MVC Patterns.
* Implementing REST API web services to send Product and components details to User.
* Involved in developing JSON Schema Validator for validating user input data.
* Using Maven for build process
* Using Jenkins for continuous deployment/integration of the application
* Worked on Junit test cases for the functionality.
* Have been supporting the application and doing the enhancements as required by the Business.
* We hosted all our micro services in Azure cloud infrastructure using Jenkins CI/CD pipelines.
* Developed Azure Active Directory (AAD) authentication and OAuth authorization for API security.
* Worked with IAM teams to develop internal Active directories on Azure to access the VM on SSO.
* Worked along with QA to resolve any issues and support a smooth deployment.
* Using Eclipse as Java/J2EE IDE tool for creating Java, JSP, and build files and SOAP UI for Web services.
* Migrated 50+ legacy services from PCF to Kubernetes.
* Working with Repositories and Hibernate Entity Classes in interacting with Databases and performing all kind of operations on the information.
* Working on Cassandra DB.
* Used Azure for the deploying for the cloud and store the data into the cloud.
* Also, used Azure Red Hat OpenShift to deploy our application on to the develop environment.
* Streamlined installation of OpenShift on partner cloud infrastructure such as AWS and Azure.
* Worked on Linux and pearl Scripting.
* Created the ReactJS components and triggered Angular code to render the React components using lifecycle hooks.
* Working on writing scripts to load data in Cassandra DB.
* Participated in production support and application maintenance support.
* Deployed services in all the environments using Kubernetes.
* Writing PLSQL blocks to retrieve data based on multiple criteria and present quarterly reports on performance, usage and issues reported.
* Implemented security measures following AWS practices, including encryption, network security, and access controls to safeguard sensitive data and protect against cyber threats.
* Set up a testing process and assist them from a developer’s perspective and help them in doing thorough progression / regression testing of the app.

**Environment:** Java SDK 8.0, J2EE, JSP, AWS, AngularJS, ReactJS, Rest Web services, Azure, oracle, Cassandra, Eclipse, Git, Kubernetes, Log4j, Maven, Postgres DB, JMeter, PLSQL, PCF, Jenkins, Junit, Linux.

**Responsibilities:**

**Project-2:**

**NSE Mobile Redesign (www.vzw.com)**

NSE Mobile application is a well-designed E-commerce application for prospective users. The existing application has been redesigned and restructured with all functionalities and built completely on a new stack making the interface many users friendly in a plug and play architecture. The user’s data is made available based on GEO parameters so that he/she can experience a smooth shopping experience from landing till checkout and order submission. User’s data is processed asynchronously allowing the user to move on seamlessly without any network issues. Users can experience a fine switch back and forth with the use of the caching mechanism implemented.

**Responsibilities:**

* Involved in the complete development of web applications using PLAY and Aka for backend development.
* Implemented Protobuf to get lean JSON and integration with UI. Used protobuf extensively in communication between Web and Service layer.
* Worked on e-commerce application to develop shopping cart manager.
* Used SBT for the build process.
* Used Activator tool for build and running the application.
* Working with the team to resolve issues in the application.
* Developed using JAVA 8 features and implemented functional programming extensively.
* Used IntelliJ Idea as Java/J2EE IDE tool for creating Java, and build/config files.
* Used REDIS extensively for session management of user’s data.
* Used Jenkins for continuous deployment/integration of the application.
* Used JIRA for tracking the User stories from development till testing.
* Used Kibana/Grafana dashboard for monitoring the user’s requests.

**Environment:** Java SDK 8.0, Play Aka Services, SBT, Activator, Maven, ReactJS Redux, Web Services, Log4j, XML, XSD, IntelliJ, Redis, Linux, Grafana, Kibana, JIRA, Jenkins, Git, Bitbucket

**Project-1**

**Worked on Verizon wireline project for the presale applications (VISE, PROQUEST)**

**Responsibilities:**

* Implementing the user stories in a time-bound agile environment using Spring Boot framework with Hibernate, establishing a connection to MongoDB and Oracle DB.
* Implementation of the restful application using spring boot.
* Worked in designing and implementation of microservice as integration between VISDM and VISE using spring boot.
* Design and Implementation of microservices based on spring boot framework.
* Strong understanding JPA specification and hibernate.
* Implementation of Continuous Integration pipeline in Jenkins.
* Working knowledge of cloud foundry and the configuration of services in cloud foundry.
* Debugging and fixing defects in ProQuest and VISE applications.
* Involved in developing Single Page Applications using JavaScript, HTML5, CSS3, Angular 2, jQuery, Java, and Bootstrap.
* UI implementation based on Angular 1.x and Bootstrap and React JS as per user requirements.
* Using analytical functions to present quarterly reports that grade-global users, usage patterns and feedbacks captures.
* Build and maintain RESTful APIs using AWS API Gateway, integrating with various services and third-party systems.
* Developing and maintaining web application systems using NodeJS
* Resolving production issues reported by Solution Architects on Salesforce (CRM module) from the Presales team and deploy to production after thorough testing and following process with the test environment.
* Analyze and fix potential issues raised from wrapped applications and improve integrated system performance by fine-tuning the XML and JSON patterns sent over to micro services.
* Developed sub system flows and deployed in cloud space, exposed the services to use for other systems.
* Developed data scripts for automated jobs to reduce the manual changes for ordering processing by 80%.
* Implemented code changes to improve the usability of the application, systematic pick up of options based on business conditions.
* Strong understanding of Networking products and technologies.
* Strong troubleshooting and debugging skills are used to identify application bottlenecks and provide strategic fixes and update the bug life cycle in JIRA.
* Strong grasp of networking products and services offered in ProQuest and VISE applications.
* Created test cases and ran those test cases and supported for weekly releases from developer end and reported the bugs in Jira.
* Involved in testing the performance of ProQuest and Vise applications by using Dynatrace.

**Environment:** JDK 1.8, Linux, Oracle, REST, Spring Boot, JIRA, Jenkins, Cloud Foundry and Mongo DB, Angular JS, React JS, Bootstrap, Hibernate, GitHub, Junit, IntelliJ, PLSQL, Maven, Jira, Dynatrace, MS Visio, HPLM, Oracle 10g, MS Office, .Net, Unit Testing, TFS, Selenium, Eclipse, AWS.

**Client: Southwest Airlines, Dallas, TX                                                            Jan 16 – May 2017**

**Role: Java Developer, Selenium Automation Engineer, and in pod Tester with Production Support**

Description:  OpsSuite application is designed to support end-to-end flight operation needs of Southwest Airlines. From flight planning to flight tracking, load planning, movement control, and aircraft data link communications and through enhanced operational awareness, one can better manage the complexities of flight operations with the OpsSuite set of applications. There are mainly three applications in OpsSuite Gate Management, Turn Management and Recovery Optimization

**Responsibilities:**

**Project-1**

* Actively participated in the complete Software development life cycle starting from design phase to the implementation phase.
* Implemented various Validation Controls for form validation and developed custom validation controls with JavaScript and validated the code in different HTML.
* Coded JavaScript and jQuery for page functionality, modal windows.
* Developed User Interface using HTML, bootstrap, CSS, JavaScript, and AngularJS.
* Developed object-oriented design and development of enterprise-class web applications.
* Involved in web services design and development. Created and consumed web services using JSON and REST
* Superior proficiency in AWT JBoss Hibernate SWT and Java Swing
* Experience in creating components such as tables, lists, scroll panes using Java Swing
* Developed end to end data flow between backend and UI using JMS and RESTful web services.
* Demonstrated experience with 3-tier web application development utilizing Java, Spring, Hibernate.
* Responsible for Code Troubleshooting, Bug Fixing, & Change Requests.
* Performs technical & Functional analysis and component delivery.

**Project-2**

* Assisted in responding to emergency support calls and submitting a weekly log to management.
* Assisted in responding to error reports and compiling a summary each month for management.
* Design and enhancement of different applications of Southwest Airlines using t HCL proprietary tools.
* Preparing and analyzing the weekly performance report of the product for different global markets and sharing the same with the business management team.
* Using the proprietary tools of HCL.
* Provide maintenance support and defects fixing for production and various QA and development environments.
* Process Discovery and application debugging, and optimization will be done for the next phase release of SWA.
* Interacting with onsite and offshore teams in resolving their problems as well as customer issues quickly.
* Using the move-up process to ensure work is reflected in production systems.
* Resolving deployment issues and coordination with Operations for deploying services in production.
* Assisted in Developing testing plans and procedures.
* Generate comprehensive test plans for large integration, system, or end to end testing for   
  nontrivial features or small-sized projects. Responsible for testing of these features
* Develop test cases based on specifications.
* Execute test plans and test cases.
* Write bug reports and work with cross-functional teams on debugging and bugfix verification.
* Used JIRA to create and track all Bugs/activities.

**Environment:** JDK 1.7, Java Swing, Linux, Oracle, PLSQL, Ant, Apache Tomcat, JIRA, REST and SOAP Based Web Services, HPALM, XML, JSON, UNIX, XML, selenium web driver, Spring, Hibernate, eclipse, Jenkins, SVN.

**UPS, Timonium, MD June 15-dec 15**

**Software Engineer**

Project: United Parcel Service, Inc. (UPS) is the world's largest package delivery company and a provider of supply chain management solutions. This is basically a mobile application where the customer uses the application for tracking and shipping their packages. This E-commerce application also allows for calculating time and cost for shipping. With this application, you can get important shipment information anytime and anywhere on your mobile.

**Responsibilities:**

* Involved in the analysis, design, and development and testing phases of the Software Development Life Cycle (SDLC).
* Design, develop, test, and implement web-based applications to support business requirements.
* Follow approved life cycle methodologies working as part of a team.
* Create and maintain design documents.
* Perform program coding and develop unit and functional tests for all code written.
* Working with technical leads to developing Java applications.
* Developed UI screens for attendance module using Angular-JS, HTML5, CSS, Bootstrap, and JavaScript.
* Implemented different validation controls on the webpages using AngularJS.
* Implemented Struts Tiles for JSP page layouts and Struts Validation for Client-Side Validations.
* Develop and maintain web applications using Java, XML, XSL, XHTML, JSP and JavaScript using code that is object-oriented, high performing, and thread safe.
* Create user information solutions by developing, implementing, and maintaining Java-based components and interfaces.
* Participate in code reviews.
* Work with small, cross-functional teams including front-end developers, quality assurance specialists, product managers, and other business units.
* Created and executed SQL Server's data validation and database queries.
* Performed GUI, ETL testing, Data warehouse testing.
* Development of Test Cases from Use Cases.
* Wrote Test Cases to Test the Application Manually in Quality Center.
* Performed Data Driven testing.
* Performed cross-platform testing on various browsers and mobile devices like Android and iOS-based.
* Provided status and updates to the team lead.
* Involved in preparation of Requirement Traceability Matrix (RTM), Software Matrix, Defect Reports and Weekly Status Reports.

**Environment:** Java, JSP, Web Logic, XML, JSON, Struts, Html5, CSS, CVS, Angular, unit, Apache Tomcat, Eclipse, Linux, QC