**SHASHIKANTH K**  Sr. Java Full Stack Developer

(937) 860-0232 ✆ [**shashi7414@outlook.com**](shashi7414@outlook.com)**✉** [**http://www.linkedin.com/in/shashi7414**](http://www.linkedin.com/in/shashi7414)Team:IIT Madras/Practices - 2015.igem.org

PROFESSIONAL SUMMARY

* Senior Full Stack Java Developer with **7+ years** of experience in Analysis, Design, Testing and Development of web-based applications and client/server applications using Java/J2EE and Web Technologies.
* Expertise in working with **Scrum Methodology** and **Agile methodologies** like Test Driven Development (TDD).
* Highly experienced in **AWS** Cloud platform and its features, including Amazon services like **EC2, S3, ELB and LAMBDA**.
* Expertise in UI Design and Development using **HTML/ HTML5, CSS, SASS, JavaScript, jQuery, Bootstrap, XML, AJAX, JSON, Angular, ReactJS, NodeJS** that follows W3C Web standards and successfully managing all facets of application development and used NgRx, Redux for State Management .
* Developed pages using **Angular directives, expression and routing capabilities** for **bookmarking filters, validations,** and **Angular UI** components such as grid, carousals, button, date pickers etc.
* Created responsive web pages using **Bootstrap** and **Media Queries**, Material design lite for styling mobile applications and experience in working with **Angular** modules, services, templates, directives, services, and dependency injection to create a **SPA**.
* Expertise in **J2EE Architecture** using **Java 8**, **JDBC**, **Servlets**, **EJB,** **JSP**, **Hibernate,** **Struts,** **Maven**, **Spring**, **Web services** (Axis, JAX WS, JAX RS) and **Rule Engines** (Easy Rules, Rulebook).
* Strong programming skills in core java concepts such as **Multi-Threading, Generics, Exception Handling, Synchronization, Collections and Collection Framework** anddeveloped applications using different **J2EE** design patterns such as **DAO**, **Singleton**, **Session Façade**, **and Factory.**
* Developed Restful Services for **CRUD** operations using Spring and wrote test using Spring tests and Mocking frameworks like Mockito and used spring boot test to write test **REST API**
* Expertise in **XML** technologies such as XSL, XSLT, XML schemas, XPath, XForm and parsers like SAX, DOM.
* Developed **SOAP** and **Restful Web services** using Apache CXF, JAX-WS RI, JAXB and JAX-RS
* Experience in using frameworks like **Struts, JSF, Hibernate** and Strong experience in **Spring Framework** modules such as **Spring MVC, IOC, AOP, JDBC, JTA, IO, Spring Dashboard, Spring Boot, Spring Microservices, Spring REST, Spring Eureka, Spring Ribbon, Spring Netflix.**
* Hands-on experienced in integrating Java Applications to use **Splunk** for logging and metrics, build tools like **Ant, Maven, Gradle**and **log4J, SI4J** for logging.
* Expertise in Messaging services like (JMS) MQ’s **Apache Kafka, Rabbit MQ, IBM MQ and Active MQ**.
* Tested webservices using **SOAP UI, SWAGGER, POSTMAN** with required validations.
* Extensive experience in working with different databases such as **My SQL**, **Oracle 10g/ 11g,**  **DB2** and advanced expertise in writing Complex SQL, PostgreSQL queries and subqueries like stored procedures, triggers, functions, packages and exception handling for retrieving, manipulating, checking and migrating complex data sets.
* Experience in using **NoSQL** database like **Cassandra** for importing data from various sourcesand **MongoDB** to support the storage of **JSON** objects
* Experience with application servers like **Web Logic, JBOSS** and Web Server like **Apache Tomcat.**
* Proficiency in Implementing of version control software **GIT**.
* Used **AWS CloudWatch** to monitor application resources such as **ECS,** **EC2**, **Dynamo DB** tables and to set **alarms** for notifications and to monitor logs of the operation of the system.
* Hands on experience on **Terraform**, open source tool used for building and managing the application code.
* Used **Docker** container for eliminating a source of friction between development and operations.
* Used **Kubernetes** to orchestrate the deployment, scaling and management of **Docker Containers in local machines for smoke tests**.
* Used **Jenkins** as a continuous integration tool for Building, Testing and Deployment of **EAR, WAR, JAR** files on test, stage, and production servers.
* Experience in Web-based **Integration Testing, System Testing** like **Performance Testing, Functional Testing, Unit Testing** using **Karma**, **Jasmine, Automated Testing using** **Junit/TestNG**, **Mockito,** **Selenium**, **Cucumber.**

TECHNICAL SKILLS

|  |  |
| --- | --- |
| **Programming Languages** | Java, J2EE, C, C++, PL/SQL, Scala, Python, Shell scripting. |
| **Java Technologies** | Servlets, JSP, JSTL, JDBC, JMS, JNDI, RMI, EJB, JFC/Swing, AWT, Multi-threading, Java Networking, JSF. |
| **Web Technologies** | HTML5, XHTML, CSS, CSS3, SASS, Bootstrap, jQuery, Java Script, Type Script, PHP, XML |
| **Web Frameworks** | ReactJS, NodeJS, AngularJS,Angular, NgRx, Redux. |
| **Cloud Technologies** | AWS EC2, S3, ELB, LAMBDA |
| **Frameworks** | Spring, Hibernate, Struts |
| **Database** | Oracle, MySQL, PL/SQL, PostgreSQL, MongoDB, Cassandra. |
| **Web Services** | SOAP, RESTful, WSDL, UDDI |
| **Testing frameworks** | JUnit, Selenium, Mockito, Cucumber, Jasmine. |
| **API Testing** | Postman, Swagger, SOAP UI |
| **Build Tools** | Maven, Ant, Gradle, Jenkins |
| **Tracking Tools** | Jira, SonarQube |
| **Monitoring Tools** | Splunk, Cloud Watch |
| **Servers** | WebSphere, WebLogic, JBoss, Tomcat |
| **Version Control** | Git, GitHub, Bitbucket, SVN, CVS |

CERTIFICATIONS

**AWS Certified Developer – Associate**

Validation Number - L8DK304JDNF41JG0

WORK EXPERIENCE

**Client:** Assurant Inc.

**Role:** Sr. Java Full Stack Developer | **Location:** Wayne, Pennsylvania | **Feb’2020 - Present**

**Responsibilities:**

* Involved in all stages of **SDLC** like Requirement Analysis, Design, and Implementation in **Agile Methodology**.
* Expertise in working with **HTML5, CSS3, JavaScript, jQuery, XML, JSON, AJAX,** and **Bootstrap.**
* Build the reusable service components with **Angular, Bootstrap,** and **JSX** that are used across various modules.
* Used **Angular** as a **JavaScript** library to bind data on html elements and integrated with **REST** based services returning **JSON** data.
* Created reusable templates using **Angular** directives and worked with **NPM** package manager tools (Node JS).
* Implemented applications using JavaScript **MEAN** Stack. Use of Express to create lightweight **REST** with MongoDB Connectors.
* Worked on **Java 8 Lambda expressions along with Streams for creating internal iteration and performing chain operations such as Filter, Map.**
* Extensive use of **Core Java Collections, Exception Handling, Generics, and Design Patterns like MVC, Singleton, Business Delegate, Factory, and Service Locator** for Functioning portfolio summary and user information.
* Developed **Restful** Web Services interface supporting **JSON** to publish printing machines operational data, also developed the code to interact with other web services. Strong understanding of supporting **JSON based Restful web-services,** integrating with the front-end.
* Used **Spring MVC** REST Controllers, Services along with Dependency Injection, **Spring JPA, Spring transactions** modules**.**
* Worked on Microservice architecture using **Spring Boot** to modularized code and implemented Rest API’s using Spring Rest and integrated Swagger API for documentation.
* Worked on developing the backend part of the application involving **Hibernate** and **Rest** Web Services.
* **Experience on OAuth 2.0** authentication protocol respectively for **security** and **authorization**.
* Responsible for Configuring **Kafka**Consumer and Producer metrics to visualize the **Kafka System performance, monitoring** alsoimplemented **asynchronous messaging** between components using **Kafka**.
* Used **Postman API** for **REST** web service development.
* Used **Maven** for dependency management, build applications and deploy to the containers, application servers and create versions in the repository.
* Developed **Exception handling** framework and used **Sl4J** for logging in development and production environment.
* Performed data validation on the data ingested using **Map Reduce** by building a custom model to filter all the invalid data and cleanse the data.
* Created **SQL** queries**, PL/SQL** Stored Procedures, Functions for the Database layer by studying the required business objects and validating them with Stored Procedures using **DB2** and **JPA** with **Hibernate** provider.
* Experience in **MongoDB** in using Hierarchy Modelling Techniques like Tree Aggregation, Adjacency Lists, and materialized paths.
* Implementation of **AWS** cloud watch for monitoring **EC2** for web-applications, **S3** for storing and retrieving the data and developed **API gateway** for invoking **AWS Lambda**.
* Responsible for Continuous Integration (CI) and Continuous Delivery (CD) process implementation using **Jenkins** along with **LINUX** Shell scripts to automate routine jobs.
* **Experience with building Docker Images and running them on Docker container.**
* Developed microservice on boarding tools leveraging **Python**and **Jenkins**allowing for easy creation and maintenance of build jobs.
* Developed End to End **(E2E)** testing with **Protractor** and **Junit/Mockito** frameworks were used for performing unit and integration testing by writing test cases.
* Worked with **GIT** for configuration management and version control.

**Client:** Citizens Bank

**Role:** Sr. Java Full Stack Developer | **Location:** Providence, Rhode Island | **Jan’2019 – Feb’2020**

**Responsibilities:**

* Developed the **J2EE** application based on the **Service Oriented Architecture (SOA).**
* Designed dynamic and responsive Web pages from scratch using **HTML5, CSS3**(using SASS) and **JavaScript**.
* Involved in using **ReactJS** Forms, Events, Keys, Router, Animations and created typescript reusable components and services to consume **REST API's**.
* Wrote client-Side code using **React JS** and used **NPM**, directories to generate the server environments by using flux to manage with targeted URL's and to monitor the application.
* Used **Express JS** which is fast, assertive, essential, and moderate web framework of **Node.js** that helps manage a sever and routes.
* Developed Application based on **J2EE** using **Hibernate, Spring, JSF** frameworks and **SOAP/REST** web services, **Web Sphere Integration Developer** (WID) Tool to develop **WPS** components.
* Used Executor Service Interfaces, Thread Pool Executor class for multi-threading & thread resource pooling.
* Developed a set of the application functionality using **CRUD** (Create, read, update, delete) features of **Backbone.js.**
* Wrote **Hibernate** Criteria queries for data retrievals and have performed the ORM mappings to map java entities to Database.
* Developed application on **Spring framework** by utilizing its features like **Spring Boot, Spring Dependency injection, Spring Beans, Spring Security, Spring Web flow** using **MVC.**
* Extensively used **Spring Batch** which uses **Spring IOC** dependencies, this is useful for developing batch processing.
* Used **Spring REST** for creating **REST API’s** services with **Spring Boot** to modularize code and used **Spring Data** to access data from database.
* Developed end-to-end **API** Design and development using **Swagger2** and Spring Boot for micro services.
* Experience in performance tuning with **Oracle database**. Designed and developed file upload and file download features with **Oracle BLOB and CLOB.**
* Implemented a distributed messaging queue to integrate with **Oracle** using **RabbitMQ**.
* **Developed DAO layer using Cassandra and** expertise in **CQL (Cassandra Query Language)**, for retrieving the data present in Cassandra cluster by running queries in **CQL**.
* Developed deployment descriptors for the EJB must deploy on **Web Sphere Application Server**.
* Created and analyzed logs using **Log4j** and **Splunk** for tracing and debugging the various issues.
* Worked with **EC2** instances, **AMI rehydration** for every 45 days and deployments in AWS console and routing the traffic using **AWS Route53 service.**
* Experience with event-driven and scheduled **AWS Lambda** functions to trigger various AWS resources and used **Terraform** for infrastructure provisioning.
* Implemented CloudWatch with SNS notifications to monitor real-time granular metrics of various services and application.
* Creating Docker images and handling multiple images primarily for middleware installations and domain configurations and pushed them into **Docker Private Registry**.
* Coordinating with the testing team and fixing Bugs at various stages of application development and created automation framework and test scripts using **Selenium** Web-Driver for multiple platforms and browsers testing**.**
* **JIRA** tool for project management used in the application to track bugs, issues, and project management functions.
* Worked with **Jenkins CI/CD** tool and installed various plugins to automate the deployment.
* Used **Bitbucket** as aVersion Control System.

**Client:** Yash Technologies

**Role:** Java Full Stack Developer | **Location:** Hyderabad, India | **Feb’2017-Dec’2018**

**Responsibilities:**

* Followed **Agile Methodology** in analyze, define, and document the application which will support functional and business requirements and had done sprint planning every two weeks and setup daily standup meeting to monitor the status and Coordinate these efforts with Functional Architects.
* Integrated the Java code (API) in **JSP** pages and responsible for setting up **AngularJS framework for UI development.** Developed **HTML** views with **HTML5, CSS3/Sass, bootstrap, Nodejs and ReactJS.**
* Developed **Server-Side** code using **MVC4** and **Client-Side** code were written in **ReactJS, jQuery.**
* Used **React JS** to create custom components for data manipulations and to display data in company standard format.
* Experience in building isomorphic applications using **React.js** and **Redux** with **Graph QL** on server side.
* Extensively used **JavaScript** to handle client-side validations.
* Involved in Multithread access to make valid transaction by writing **Thread** Safe blocks.
* Designed and Implemented **REST** web services using **JAX-RS, Spring REST**.
* Designed and developed various **RESTful Micro services** using **Spring Boot** framework.
* Developed and Consumed Web Services using **SOAP** and **Restful API**. Performing Load Test using **Postman**.
* Responsible for the implementation of application system with **Core Java** and **Spring** framework.
* Worked in all the modules of the application which involved front-end presentation logic developed using **Java Script,** **Tiles with Spring MVC**, **JSP** and Business objects developed using POJOs and data access layer using **Hibernate** framework.
* Used **Hibernate** **Transaction Management, Hibernate** **Batch Transactions, and Hibernate** **cache concepts.**
* Created and injected **spring** **services**, **spring** **controllers** and DAOs to achieve **dependency injection** and to wire objects of business classes.
* Focused on **Test Driven Development (TDD)** thereby creating detailed **JUnit** tests for every single piece of functionality before writing the functionality.
* Configured **Spark** streaming to receive real time data from the **Kafka** and store the stream data to **HDFS.**
* Involved in configuring various Jenkins plugins for **SonarQube, TestNG** as part of build deployment pipeline.
* Excellent experience with Relational databases like **MySQL, SQL** Server, and No SQL databases like **Mongo DB**.
* Used **GIT** as version control system, to keep track of all the work & all changes, allowing several developers to collaborate and used Maven as build and configuration tool.
* Developed **XML Converter Classes** based on **JDOM** and **XPATH** and **XML** technologies to **Obtain** and **Persist Data**.
* Drafted comprehensive reports to track bugs and design flaws using **JIRA**.
* Experienced in build, deploy multi module applications using **Gradle** and CI servers like **Jenkins**.

**Client:** Byte Alpha Solutions

**Role:** Java Developer **| Location:** Hyderabad, India | **Jan’2015-Feb’2017**

**Responsibilities:**

* Developed Use Cases, Class diagrams and Sequence and Activity diagrams using Rational Rose.
* Developed **GUI** using **HTML, CSS** and front-end validations are written using **JavaScript** andused **AngularJS** as the development framework to build a Single-Page Application **(SPA).**
* Developed a new **JSP** with field validations and added it to the existing admin page to help clear the different caches in the distributed cache.
* Developed the project using industry standard design patterns like **Singleton, Business Delegate Factory Pattern** to better maintain code and re-usability.
* **JavaBeans** were used to handle business logic as a **Model** and **Servlets** to control the application flow as **Controller.**
* Involved in collecting requirements from Business Users and Data Modeling, designing, and developing Tools using **J2EE, Java, EJB, and JSP**.
* Design and develop Web Services (**JAX-RPC**) to provide services to the various clients used **SOAP**.
* I have Implemented Project structure based on **Spring MVC** (Model-View-Controller) framework using dispatched servlet.
* Used **Spring ORM/Data** module to integrate with **Hibernate** and developed persistence API to store relational data in to **SQL Server** Database.
* Developed message driven beans (MDB)’s for receiving the messages from other systems.
* **JMS** API were used for asynchronous communication by putting the messages in the Message queue.
* I have been working on Query optimization, functions, views, index, and Stored Procedures and other database objects**.** Worked on **Oracle** and required **SQL tuning** to reduce the response time in the application.
* Heavily used **SOAP UI** Pro version for testing the Web Services.
* Monitored the error logs using **Log4J** and Deployed application into **WebSphere** server.
* Used **GIT** for the version control and **GitHub** for repository in cloud.

**Client:** Love My Tour

**Role**: Front-End Developer | **Location:** Hyderabad, India | **Oct’2013-Dec’2014**

**Responsibilities:**

* Created detailed design documents with the **UML** Design diagrams, table information, object models which are required for the developer.
* Designed Graphical User Interface (**GUI**) for various Webpages using **HTML, CSS, jQuery, and AJAX**.
* Developed screens using **JSP, JavaScript and Ext JS.**
* Involved in implementing **jQuery** for providing interactive user interfaces.
* Worked with core java concepts such as **OOPs**, **Multi-threading**, **collection framework** and **Exception handling**.
* Developed the application under **J2EE** Architecture using **WebLogic**.
* Written Test cases using **JUnit** to validate the application flows in different scenarios in the standalone application.
* Used **Struts** framework to implement **MVC** architecture.
* Well Acquainted with **RDBMS** like **MySQL** and developed **DAO** layer using **JDBC** to write several **PL/SQL** queries to store and retrieve results from database.
* Developed Unix Shell Scripts to perform administrator related tasks.
* Involved in tracking and resolving defects, which arise in QA and Production.