**Niraj Shakya**

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**Full Stack Java Developer**

# PROFESSIONAL SUMMARY

* **5+ years** of IT experience in **Analysis, Design, Documentation, Integration, Testing and Implementation** of Client-Server, Distributed Multi-tiered and Large-Scale Enterprise applications in **Waterfall and Agile (Scrum) methodology using JAVA and JEE technologies, Data Structure and Algorithms.**
* Expertise in the implementation of **Core concepts of Java J2EE** Technologies: **JSP, Servlets, JSF, JSTL Apache-Tomcat, Java Beans, Struts, REST, Spring, Hibernate, JDBC, Ajax, JavaScript, Web Services.**
* Expertise on **Spring Framework** for using Dependency injection, **MVC** **Framework** and **ORM** tools like **Hibernate.**
* Experience in **Object Oriented Programming** using classes **with Inheritance, Encapsulation, Polymorphism, Collection Interface, Multithreading, I/O Streams and Exception Handling in Java.**
* Experience of working with **Databases** like **SQL Server, MySQL, Oracle and MongoDB**. Worked on **JDBC** for mapping the java objects to **relational database and SQL queries** to retrieve, insert and update the data from the database.
* Experience in configuring, deploying the web applications on **Apache Tomcat, Oracle/BEA WebLogic, IBM Web Sphere, Web servers** and experience **in Unix/Linux, Shell Scripting, Build and Deployment**.
* Experience in installing, deploying and testing with multiple Application Servers like **WebSphere, WebLogic, JBoss Application Server and Tomcat web container.**
* Strong experience in UI & client-side validations using **HTML5, CSS3, JavaScript, AngularJS, jQuery, XML, Bootstrap JS, JSP, JSON, JSF and AJAX.**
* Experience building Single Page Applications using core **Angular** technologies **AngularJS and Angular 4,6,7,8** for better performance.
* Extensive experience in implementing **MEAN** Stack (**MongoDB, Express JS, AngularJS, Node JS)** with **RESTful** standards.
* Extensively worked on implementing **Service Oriented Architecture (SOA)** using **XML Web Services, Handling HTTP Request** and responses, creating Web service clients, handling communication calls to methods and External Interfaces.
* Expertise in implementing various design patterns like **Singleton, Factory, Abstract Factory, DAO, Service Locator, and Front Controller.**
* Working on latest angular Versions, **Angular5,6,7 & Angular8.**
* Have a good experience of **Kafka** messages and setting up the replication factors in **Kafka Cluster** and have also used **Spring Kafka API** calls to process the messages smoothly on **Kafka Cluster setup.**
* Experience in designing and building applications using **Spring Boot, Spring Security**.
* Experience in using build/deploy tools such as **Jenkins, Docker and OpenShift** for Continuous Integration & Deployment for **Microservices**.
* Participated in **Agile** Development Team and having daily **SCRUM** meeting for progress reporting as well as task distributing.
* Experience in **Front-end JavaScript** frameworks **like Angular JS, Node JS.** andwith the creation of **RESTful Web service**.
* Implemented NoSQL **MongoDB** as the Back-End storage system of the application and good experience in writing **SQL Queries**, Stored Procedures, functions, packages, tables, views, triggers and data connectivity and data integration of **Oracle.**
* Experience on **AWS services** like **EC2, S3** and **Route53** for instantiating, configuring and managing various Amazon images for server migration from physical servers into cloud.
* Experience working with **JIRA, Rally** for bug tracking and issue tracking.
* Experience in configuring build tools like **Maven and ANT** for the development and deployment.
* Experience in **AWS Resources** like **EC2, S3, EBS, SQS, SNS, IAM, DynamoDB, Lambda, CloudWatch, CloudFront.**
* Experience in creating **Docker** images and deploying it on **AWS cloud**.
* Experience in implementing complete **Software development life cycle (SDLC)** for various applications including Analysis, Design, Development, Implementation, Maintenance and Support.
* Having very strong interpersonal skills and ability to work independently and within the group, can learn quickly and easily adaptable to the working environment.
* Good exposure in interacting with clients and solving application environment issues and can communicate effectively with people at different levels including stakeholders, internal teams, and the senior management.

# EDUCATION

**Bachelor’s in** **Computer Science** from **East Central University – Oklahoma**

# TECHNICAL SKILLS

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| --- | --- |
| Languages | Java 8, Java 11, J2EE, PL/SQL |
| Web Technologies | Servlets, JSP, Session Beans, JavaScript, jQuery, AJAX, Angular JS, Angular 7, Node JS, Typescript, Java Mail, HTML, XML, Bootstrap, CSS, SCHEMA, XML |
| Frameworks | Spring, Spring Boot, Spring Core, Spring MVC, Spring IOC, Spring AOP, Hibernate, JSF |
| Web Services | XML, WSDL, Restful (JAX-RS), SOAP (JAX-RPC, JAX-WS), AWS, Microservices |
| Databases | MongoDB, Oracle, SQL Server, PL/SQL, DB2 and MySQL |
| Version controls | GIT, SVN, CVS |
| Tools/Software (IDEs) | Eclipse, My Eclipse, Net Beans, SQL, IntelliJ, Junit |
| Application/Web Server | Apache Tomcat, JBoss, WebSphere and WebLogic |
| Operating Systems | UNIX, Linux, Windows, MacOS |
| Methodologies | Agile Methodology/Scrum, Waterfall model, MVC framework |
| Other Tools | Ant, Maven, JIRA, Jenkins, Log4J |

# PROFESSIONAL WORK EXPERIENCE

## AIG - Dallas, TX May 2018 – Present

## Role: Full Stack Java Developer

* Worked in **Agile software development** lifecycle and used **Scrum methodology** in which involves Requirements gathering, designing, coding, testing, debugging and support.
* Architected, designed and implemented a **SPA** (**Single Page Application**) using **Angular 7, Typescript, Angular-CLI, Bootstrap and Webpack.**
* Responsible for Developing Member Portal Application components using **Java 8** and SPA Technologies such as **HTML, CSS, JavaScript, Typescript.**
* Responsible for designing and deploying new **ELK clusters (Elasticsearch, Logstash, Kibana, beats, Kafka, zookeeper** etc.
* Used **Java 8** features such as lambda expressions, Parallel operations on collections, multithreading and for effective sorting mechanisms and Streams to store and process the data.
* Implemented JavaScript and **Swing** based functionality in front end designing and rich user interface**.**
* Created web pages using **Angular data driven** and **template driven forms** and created custom asynchronous validations to validate the data on server side.
* Using **Spring 5, Spring MVC, Jackson to supply Restful web-services** with **JSON**.
* Utilize **Data structure and Algorithm** within the ANGULAR application in which different functionalities within the application were divided into different modules.
* Involved in **Test Driven Development** by writing unit test cases.
* Implemented load-balancing with NGINX to allow dozens of **Node JS** instances to handle thousands of concurrent users
* Used **spring** **Object relational mapping (ORM)** and **hibernate** for persistence in **Oracle.**
* Utilized **Cassandra** and **Postgre SQL** databases for different microservices to store data based on the requirement.
* Worked with **Postgre SQl, SQL.**
* Extensively used **Hibernate** in data access layer to access and update information from the **Oracle database**.
* Implemented **Microservices** architecture using **Spring Boot** for making application smaller and independent.
* Designed and developed the **REST based Microservices** using the **Spring Boot.**
* Converted a monolithic app to **microservices** **architecture** using **Spring** **Boot** using 12-factor app methodology. Deployed, Scaled, Configured, wrote manifest file for various **Microservices** in PCF.
* Redesigned and re-implemented services using **NGINX, Node JS, Express JS, Mongo DB, and MySQL.**
* Added dynamic functionality to the application by implementing **JQuery, Node JS.**
* Using **Node-JS** and **MongoDB** and performing unit testing for **REST API’s**
* Implemented **REST** **Microservices** using **spring** **boot**. Generated Metrics with method level granularity and Persistence using **Spring** **AOP** and **Spring** **Actuator**.
* Used **Angular 6,7** for data binding (two-way data binding) between TypeScript Code and HTML Template and created **Angular 7** form
* Design, build and manage **the ELK (Elasticsearch, Logstash, and Kibana)** cluster for centralized logging and search functionalities for the App.
* Used **Java 8** features like stream and Lambda expressions.
* Migrating applications to **AWS** and application deployment in the **cloud (AWS)** with **CI/CD** tools like **Jenkins and Maven**
* Built **React JS** framework including **MVC** architectures and different modules.
* Designed and coded small test automation modules using Java.
* Have written **Kafka** producers to stream the data from external **rest APIs** to **Kafka** topics.
* Designed and developed the **REST based Microservices** using the **Spring Boot.**
* Expertise in coding optimized **SQL queries** on databases like **Oracle**.
* Developed components utilizing **spring framework** modules (**IOC, AOP, MVC**).
* Used **Nodejs** to structure **JavaScript code** to build endpoints
* Implemented modular approaches for backend on AWS's and implemented interfacing with **Postgre SQL**.
* Used **Spring AOP** to handle transactions, logging and exception handling for **REST webservices**.
* Designed and created **DAO** using **data modeling** in the integration layer.
* Configured Elastic Lod Balancers with **Elastic search** (**EC2)** Auto scaling groups.
* Used **Continuous delivery / Continuous Integration (CD/CI)** tools **Docker, Jenkins** to deploy this application to **AWS**
* Worked in utilizing **React JS components, Forms, Events, Keys, Router, Animation,** and **Flux concept**
* Involved in localization and internationalization of web pages using **React.js**.
* Worked on a project which handles searching **Data algorithms** using Elastic Search which is mainly used for pulling analytics related information using the keywords entered by the end user. Deployed **microservices Docker container** using **ECR** and **AWS CLI**.
* Using **Java8** features in developing the code like Lambda expressions, creating resource classes, fetching documents from database.
* Used **AWS** (**amazon web services**) for email services, integrated with **JavaScript code.**
* Involved in development **using Core Java, Multi-Threading, spring, Hibernate, Java Web services Rest and Maven**
* Implemented **Spring boot microservices** to process the messages into **Kafka cluster setup.**
* Wrote query to obtain data using **Hibernate Query Language** (HQL).
* Developed single page application components using **React, Redux, JSX, AXIOS and ES6 classes**.
* Used **HTML, CSS, JavaScript, AJAX, JSON, XML and jQuery** for developing the application.
* Ability to migrate documents from on premise to the **AWS platform like EC2** instantiation.
* Planned, designed and implemented highly available, scalable, secure and cost-efficient environment and migrated servers from on premise to **AWS cloud.**
* Creating **S3 buckets** and managing policies for **S3 buckets** and Utilized **S3 bucket** and Glacier for storage and backup on **AWS.**
* Developed data transformer for converting legacy data from Source tables to avro format and fed into **Kafka** using **Camel**
* Coordinated with the QA team in testing of the application in various environments.
* Maintained build related scripts developed in shell for **Maven builds**. Created and modified build configuration files.
* Created the branches in **GitHub** to implement the parallel development process.

**Environment:** Java/J2EE, Angular 6,7,8, Spring Boot, Spring Cloud, Spring AOP, Hibernate, REST, Spring Boot, HQL, SQL, Kafka, Oracle, Maven, Jenkins, JIRA, Tomcat, GitHub, Agile, Scrum, ReactJS 15, Redux, JSX, HTML, CSS, Java Script, AJAX, JSON, XML and jQuery, AWS, EC2.

## Sabre – Dallas, TX Jan 2016 – April 2018

## Role: Full Stack Java Developer

* Responsible for Development, design and testing of Web applications by gathering the requirements from the business, followed **Agile Scrum Methodolog**y for software development process.
* Responsible for Developing Member Portal Application components using **Java** **8** and SPA Technologies such as **HTML, CSS, JavaScript, Typescript.**
* Hands on experience of **Data Structure and Algorithms** along with using Python libraries like NumPy, pandas, and matplotlib.
* Responsible for making Member portable Application which enables users to login, update and to enter information, and to perform many other data entry tasks using **Angular 6,7** make the forms more reactive and robust
* Documents project-planning assumptions, functional requirements, product features and specifications for programmers Recommends Operational and process improvements based on efficiencies and available technologies.
* A web application for connecting care providers and members. This project includes server application with data fetching requirement. We have exposed the services as **Rest Web Services**. We developed backend system using **NodeJS**
* Researching about JavaScript-based systems like **React Native and Ionic/Cordova** for frontend. Worked on **React JS Virtual Dom and React views,** rendering utilizing components that contain extra components called custom **HTML tags.**
* Implemented different screens for the front end utilizing **React.js** and utilized different predefined **component**s from **NPM (Node Package Manager)** and **redux library**.
* Designed, Developed and tested the Store management application using **HTML, JavaScript, PHP and Postgre SQL**.
* Used **Jenkins** and **Maven** for continuous integration in which all development work is integrated and involved in deploying the application.
* A user provision script developed using **Nodejs** which includes fetching files from SFTP server and creating users in ldap and database using **rest API** calls.
* Worked on creating **Angular 4,6** Reactive forms to implement complex forms and performed the validations using Form Builder.
* Created services with **Angular 4** @injectable property, as to make the service available for dependency injection when creating components.
* **Kafka** is used to send message objects to client queues and topics
* Worked in utilizing **React JS components, Forms, Events, Keys, Router, Animation,** and **Flux concept.**
* Responsible for **React UI and architecture**. B**uilding components library, including Tree, Slide-View,** and **Table Grid**.
* Implemented stable **React components** and **stand-alone functions** to be included in any future pages.
* Used **React JS** for **templating** for faster compilation and creating reusable c**omponents**.
* **Used React-Autocomplete** for making **google maps** location search on the webpage. Configured **Web pack to execute linters, magnifiers, pre/post-processors, tests, comes to pass, etc.** based on construct target.
* Used **Microservices** architecture with **Spring boot** to develop **REST based Web Services** with minimal configuration.
* Supporting across different modules of FACETS product- Membership, Claims, Provider, Utilization Management and workflow. Proactively report risks and provide mitigation plans to overcome risks. Implementation of **RCA** (Root Cause Analysis) outcomes/best practices in future releases.
* Used **Maven** build scripts to build the application.
* Used **Spring JPA Object/relational mapping** (ORM) solution, the technique of mapping data representation from **MVC** model to **Oracle** relational data model with a **SQL-based schema**.
* Created and injected **spring services, Spring controllers, and DAOs** to achieve dependency injection and to wire objects of business classes.
* Used **Node.JS** to structure **JavaScript code** to build **Restful webservices.**
* Worked on **AWS** packages including **S3, and EC2**.
* Develop custom **AngularJS** directives to build custom reusable modules to use across the application by using **Angular4,6**
* Used messaging systems like **Kafka, Kafka** event sourcing
* Responsible for Business rules extraction from existing desktop application, documenting the analysis in a User story for developing **web application** with all the existing functionalities.
* Used **Spring Rest Controllers, Web Spring MVC and Spring Boot** extensively to implement server-side business logic.
* Developed **Microservices with Spring boot** along with the test cases and used the **spring test's framework** to create integration tests.
* Responsible for analyzing metrices captured to enhance productivity and prevent defect leakage, accountable for complete implementation/Maintenance activities from requirements analysis through implementation, ensuring all system changes are defect-free prior to implementation.
* Actively involved in code reviews and bug fixing, worked on existing oracle stored procedures to retrieve or validate the data for the proper validations.

**Environment:** Java 8, J2EE, Angular 4,6,7, Typescript, NGRX, Spring, Hibernate, Kafka, Oracle, SQL, HTML, CSS, JavaScript, React Js, Redux, Junit, Jenkins, Agile, Webservices, RAD, Tortoise SVN, IBM Web Sphere, Soap, Insomnia, Oracle SQL.