**Rakesh Koka**

714-473-9973

Rakeshkoka1029@gmail.com

**SUMMARY**

* Programmer with 10+ years of experience in development of applications using **Java/J2EE** technologies and **web application development**.
* Expertise in developing applications with Spring boot and creating restful web services.
* Experienced in Spring framework and implementation of the modules **IOC, AOP, DAO, ORM, WEB MVC.**
* Experienced in **Hibernate** for the Object Relational Mapping therefore simplifying the Data creation, Data manipulation and Data Access.
* Experienced in Service Oriented Architecture and **REST**, creating services and Restful API’s.
* Experienced and knowledge in Python and writing scripts.
* Worked on the development of an internal testing tool JS framework written in python.
* Experience in developing UI using **Angular 11, React JS, JavaScript, HTML5, CSS3.NodeJS**
* Efficient working with the design and development concepts like interfaces, multithreading, collections, exceptions handling.
* Knowledge and usage of the servlet containers like **Tomcat, JBoss and Web-Logic.**
* Experience in implementing the micro services in Web Applications using the frameworks such as Spring Boot.
* Experience in changing over existing **AWS** infrastructure to Server less architecture (AWS Lambda, Kinesis) through the creation of a Serverless Architecture using Lambda, API gateway, Route53, S3 buckets.
* Experience in Migrating production infrastructure into Amazon Web Services cloud utilizing **AWS** Server Migration Service (SMS), **AWS** DataBase Migration Service, Elastic Bean Stalk , Cloud Formation, Code Deploy, Code Commit, **EBS** and OpsWorks.
* Expertise in implementing Inspector security service to infrastructure for running scheduled tests and used **WAF** for stopping SQL injections and cross-site scripting and certificate manager to manage SSL certificates.
* Experience in designing a **Terraform** and deploying it in cloud deployment manager to spin up resources like cloud virtual networks, Compute Engines in public and private subnets along with **AutoScaler** in **Google Cloud Platform.**
* Experience in Designing, Architecting, and implementing scalable cloud-based web applications using **AWS** and **GCP**.
* Set up a GCP Firewall rules in order to allow or deny traffic to and from the VM's instances based on specified configuration and used GCP cloud CDN (content delivery network) to deliver content from **GCP** cache locations drastically improving user experience and latency.
* Experience in providing highly available and fault tolerant applications utilizing orchestration technologies like **Kubernetes** and **ApacheMesos** on Google Cloud Platform.
* Experience in Blue/green deployment strategy by creating new applications which are identical to the existing production environment using CloudFormation templates & Route53 weighted record sets to redirect traffic from the old environment to the pristine environment via DNS.
* Knowledge of cloud platforms like **AWSEC2** and deployment of **CICD** pipelines using Jenkins for a constant stream of improvement over the application.
* Experienced in writing **SQL** queries extensively using joins, triggers, stored procedures and views.
* Experience in Oracle database administration and **Cassandra** Database
* Experience in Database creation with RMAN jobs and security implementations in Oracle.
* Load Balancing, Startup, Shutdown of Individual instances on RAC database.
* Experienced in working with web and Application servers such as Apache Tomcat.
* Knowledge of Software Development Methodologies like Agile, Waterfall. Managing daily activities and understanding of test-driven development.
* Knowledge of databases such as MySQL, Oracle, SQL Server. Integration and reporting service tools like SSIS and SSRS.
* Recognized as a strong team player and team builder, self-starter/learner and highly result oriented.

**TECHNICAL SKILLS**

**Programming Languages:** C, Java8,java11, SQL, Python, JavaScript

**Backend Frameworks:** Spring, Spring Boot, Hibernate, JPA

**Test Frameworks:** Junit, Mockito

**Web Technologies:** HTML5, CSS3/4, JavaScript, jQuery, TypeScript, Node JS, ReactJS

**Web Services:** RESTful

**Databases:** MySQL, MS-SQL, Oracle DB

**Development IDE’s:** Eclipse, IntelliJ, Spyder, Jupyter Notebook

**Front End Framework**: Angular 4, Angular 11

**Container and Cloud Frameworks**: Docker, Amazon AWS, EC2

**EDUCATION**

Masters Information Technology Management, Cumberland’s University

Bachelor’s in Technology: JNTU HYD 2008-2012

**PROFESSIONAL EXPERIENCE**

**Client: Charter Communications, St. Louis, MO (Aug 2018 – Present)**

**Sr. Full Stack Developer**

**Responsibilities:**

* Analyzed business requirements alongside business team and involved in developing requirements and estimates.
* Used advanced **java 8** features like **Lambda expressions** for array operations, **Streams, Method reference, collections.**
* Worked on **Agile Scrum** methodology collaborated with UX and scrum team for implementation of features, test cases, user stories, organizing dependencies and tasks.
* Used Python Flask framework to build modular & maintainable applications.
* Automated data movements using Python scripts.
* Developed Restful Microservices using Flask and Django and deployed them on AWS servers using EBS and EC2.
* Used Python library Beautiful Soup for web scrapping to extract data for building Graph QL.
* Used pandas as API (Swagger, Postman) to put the data as time series and tabular format for manipulation and retrieval of data.
* Working in a Java 11 and microservices based infrastructure and connecting multiple microservices and their functionalities to new business flows.
* Responsible for developing responsible UI and back-end service in developing Rest Services to the internal business users using Angular 11,ReactJS RESTFUL Web services, Spring Boot, Docker, Kubernetes, WebSphere (scripting), Spring MVC,Typescript, Oracle, JavaScript, HTML, CSS, Bootstrap.
* Worked on integrating backend Restful service calls with Bootstrap components by fetching the data using Angular HTTP service and displaying it within various Bootstrap based components.
* Worked on segregation of microservices using **Spring Boot**. Deployed images into **Docker** containers.
* Experience in handling messaging services using Apache Kafka.
* Implemented Kafka producer and consumer applications on Kafka cluster setup with help of Zookeeper.
* Used Spring Kafka API calls to process the messages from kafka.
* Implement application logic over **Restful Webservices** to communicate with existing layers and modules.
* Worked in a behavior driven development and developed from test case results of API’s, collaborating with the inputs from QA team.
* Experience in working with version control systems like GIT, GitHub and Bit Bucket.
* Maintained the version control of the source code using GitHub
* Actively tracked and maintained server responses and handled errors using Spring REST exception handlers.
* Create CI/CD pipeline using Jenkins for a constant stream of application changes and application build using Maven.
* Involved in Designing and deploying AWS solutions using EC2, S3, RDS, EBS, Elastic Load Balancer, websphere,Auto scaling groups. Supporting Systems Infrastructure comprised of Linux OS,AWS, EC2 clusters.
* Monitored and logged AWS and application status using Amazon Cloud Watch.

**Environment: Java, Angular 11, Spring Boot,GitHub,AWS EC2, Hibernate,Aws Docker, Jenkins, Maven, GIT, Spring Security, Spring REST, Bootstrap, CSS,React JS, HTML.**

**Client: Thermo Fisher Scientific, PA (July 2017 – July 2018)**

**Full Stack Developer**

Responsibilities:

* Development of Single Page Applications using Angular4 web framework and create responsive web applications using CSS3 and Bootstrap.
* Maintained **Interface** compatibility and **concurrency** in the project using **Java 8** features like Concurrency API.
* Developed and implemented service and business layers for efficient DAO usage.
* Developed server-side application using Spring MVC, Spring IOC, Spring Security, Spring Batch.
* Implemented ORM using Hibernate for mapping of database with persistence layer.
* Used Spring-Hibernate integration and JPA ORM in the back end to fetch data from Oracle and MySQL databases. Responsible for upgrading to Java 11 and addressing Sonar Qube vulnerability fixes
* Implemented Rapid Application Development and microservices using Spring Boot and creation of Rest end points. Rest API development and used resource class operations GET, PUT, POST and DELETE.
* Implemented Spring Boot Actuators and configure the application based upon the information exposed by the endpoints and configuring the existing end points.
* Deployed the application on WebSphere application server.
* Involved in Designing and deploying AWS solutions using EC2, S3, RDS, EBS, Elastic Load Balancer, Auto scaling groups. Supporting Systems Infrastructure comprised of Linux OS,AWS, EC2 clusters.
* Utilized AWS Lambda platform to upload data into AWS S3 buckets and to trigger other Lambda functions.
* Experience in handling messaging services using **Apache Kafka.**
* Worked with GIT control system for efficient tracking of changes and Maven as the build tool and made continuous integration with Jenkins.
* Testing API using POSTMAN to test the rest services and used Junit and Mockito to test the middleware services.
* Extensively used Log4j for logging purposes and troubleshoot issues in debug mode.
* Involved in analysis, design, unit test cases throughout SDLC using Agile Methodology (Scrum).

**Environments: Java 8, Spring Boot,GitHub,Spring Security, Hibernate, Angular, HTML5, CSS,websphere, Bootstrap, Postman, Log4j, Mockito, Oracle 11g, Oracle TOAD, Postman.**

**Client: Verizon, Dallas, TX (Feb 2016 – June 2017)**

**Java Developer**

Responsibilities:

* Involved in business required gathering and technical specifications.
* Analysis, design and development and testing phases of Software Development Lifecycle (SDLC) using Agile methodology.
* Created a Front-end application using Angular4 and Spring MVC for registering a new patient record and configured it to connect to database using Hibernate.
* Implemented J2EE standards, MVC architecture using Spring Framework.
* Used Spring Core Annotations for Dependency Injection Spring DI and Spring MVC patterns for Rest services and Spring Boot for Microservices.
* Used ReactJS to implement rich functions in various pages: form validation, crud, grid list, search, sort, pagination, multi-selection, tags-input, advanced/custom directives, authentication, unit tests.
* Used ReactJS with RXJS for building rich internet applications, and to optimize in-browser use and to load the module and to improve the Speed.
* Created Stored procedures using PL/SQL for data modification (Using DML insert, update, delete) in Oracle.
* Used Angular4 to develop client-side web application and create single page application.
* Developed Interactive web pages using AJAX, JavaScript, jQuery.
* Used Maven tool to build, config, and package and deploy an application project.
* Interaction with Oracle database implemented using Hibernate. Extensively used Hibernate ORM in data access layer to write DAOs. Developed hibernate mapping and Configuration files.
* Created Services to consume REST API's and to communicate between components using Dependency Injection provided by Angular 4.
* Deployment of application in Tomcat server.
* Experience in resolving issues in the production server.
* Involved in procedures and functions modifications.
* Involved in improving the existing design by minimizing dependencies between the layers with the help of design patterns.

**Environment: J2EE, Web Services, Spring (Core, MVC, Data JPA), Hibernate, Oracle 10g, Tomcat, React JS,HTML, CSS, JSON, jQuery, AJAX, JAXWS, Unix, Angular4.**

**SignOn Solutions, Hyderabad IN (Aug 2013 – Nov 2014)**

**Java Developer**

Responsibilities:

* Analyzed functional requirements provided by the client. Involved in the technical discussion to design and implement new features of the product.
* Enhanced the product architecture by applying suitable patterns and best practices to make it more extensible and maintainable.
* Developed user interface Angular 4, HTML5, CSS3.
* Extensively used angular http libraries to do get and post requests from UI to backend. Used Observer and observable patterns to make asynchronous calls to the backend.
* Followed MVC pattern for developing backend services using spring boot annotations. Made use of spring profiles for development in various environments.
* Used JPA, Hibernatefor CRUD operations.
* Created Views, Procedures and functions using Oracle PL/SQL language.
* Created Junit test cases for unit testing. Coordinated with QA Team, involved in all phases of SDLC from the design till the QA phase.
* Built application using maven and deployed application into tomcat server. Automated the build process using continuous integration framework Jenkins.
* Extended help to operations to resolve the customer issues quickly.
* Implemented Agile software development doing direct work with customers to determine requirements using fast iterative development.
* Provide Production support, Integration and configuration and version control of applications.
* Resolve the customer reported issues by code reviews and fix developed features.

**Environment**: **Java 8, Spring boot, hibernate, Angular, IntelliJ, Oracle, Junit, Mockito, Jenkins, Git, Maven.**

**Client: Syntel, India April 2012 – Aug 2013**

**Java Developer**

Responsibilities:

* Involved in design and End-End development of a banking account managing system.
* Business specific requirements gathering and defining the functional specifications.
* Design of application components using Java Collections and providing concurrent database access using multithreading.
* Implemented the design patterns DAO, Service Locator and Business Delegate.
* Used JSP, JavaScript, HTML, and CSS for manipulating, validating, customizing error messages to the User Interface.
* Demonstration of the newly added features and involve in discussions with customers for technical and functional concerns.
* Experience in creating and managing the Data Layer using Hibernate for Object Relational Mapping.
* Used Spring Framework to integrate with Hibernate using Hibernate Template.
* Exposure to write complex SQL queries using PL/SQL Oracle DB and exposure to create triggers and stored procedures.
* Worked on code reviews, debugging, unit testing and integration testing.
* Worked on source code management tools such as SVN.

**Environment: Java, Servlets, Struts, Hibernate, UML, Oracle, Apache Tomcat 8.5.12, Junit, Log4j, Eclipse, HTML, CSS, JSP, SVN.**