**Zeeshan Parpia**

**Lead Java Developer**

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**PROFESSIONAL SUMMARY:**

* Over 12+ years of experience in Java/ J2EE Professional with proficiency in Analysis, Design, Development, Architecture, Coding, Testing, and implementation of Client/Server, Internet, and Legacy Applications.
* Expertise in Java Technology (J2SE and J2EE) with a strong foundation of object-oriented principles.
* Deployed Docker-contained spring boot-microservices into Spring EC2 container service using AWS admin console.
* Solid Experience in creating Kubernetes Clusters in AWS and deploying a Docker Image on top of Kubernetes Cluster.
* Used Microservice architecture, with Spring services interacting through a combination of REST and Apache Kafka message brokers.
* Involved in using ReactJS components, Forms, Events, Keys, Routers, Animations, and Flux concepts.
* Hands-on experience in creating Angular modules, controllers, directives, and filters to deploy the entire business logic.
* Hands-on experience in creating Angular factories for using angular services like $http and $resource to make RESTful API calls to the Java-based backend.
* Used React JS to create views to hook up models to the DOM and synchronize data with the server as a Single Page Application (SPA)
* Experienced in Full stack UI technologies using Grunt.js, Gulp Server, and Yeoman generator for Angular.
* Created the React JS components and triggered Angular code to render the React components using life cycle hooks.
* Used React JS to create views to hook up models to the DOM and synchronize data with the server as a Single Page Application (SPA) and React-Redux Thunk to make REST API calls.
* Worked and learned a great deal from Amazon Web Services (AWS) Cloud services like EC2, S3, EBS, RDS, VPC, and IAM.
* Explored Spark, Kafka, and Storm along with other open-source projects to create a real-time analytics framework.
* Deployed the Cassandra cluster in a cloud (amazon AWS) environment with scalable nodes as per the business requirements.
* Utilized Kubernetes and Docker for the runtime environment of the CI/CD system to build, test, and deploy.
* Implemented Data Integrity and Data Quality checks in Hadoop using Hive and Linux scripts.
* Optimized Kafka producer configurations for high throughput and low latency, ensuring efficient data ingestion.
* Expertise in microservices to communicate through HTTP protocol for implementing SOA approach.
* Demonstrated expertise in managing Kafka topic partitions and message routing strategies for data distribution.
* Developed API for using AWS Lambda to manage the Serverless architecture and run the code in AWS.
* Experience in working with other iOS and Android developers to complete detailed projects.
* Experience in working with Agile and Waterfall methodologies, Scrum, and Test-Driven Development (TDD).
* Managed Kafka clusters, including scaling, adding/removing brokers, and rebalancing partitions as needed.
* Strong skills in object-oriented design and development (OOAD) using Rational Unified Process and Unified Modelling Language.
* Designed and implemented a dynamic image rendering web service that is consumed by JSP, jQuery, JavaScript, and AJAX.
* Performed code updates and releases using Git and Jenkins Deploy tools to send out updates to various pieces of software.
* Experience in SOA and implementing Web Services using SOAP.
* Experience in working with MongoDB, Oracle, SQL Server, MySQL databases, and writing SQL and PL/SQL queries.
* Good understanding of NoSQL databases and hands-on work experience in writing applications on NoSQL databases like HBase, Cassandra, and MongoDB.
* Expertise in working with Collections API, Multithreading, and OOPs technologies.

**TECHNICAL SKILLS:**

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| **Technology** | **Tools** |
| Languages | Java, Java Script, JSP, UML, WSDL, HTML, CSS, jQuery, PL/SQL, Perl, Python, and Shell Scripting. |
| J2EE Technologies | Java, J2EE, JDBC, Hibernate, JSF, XML Parsers, JSP, Servlets, Portals, EJB, JMS, Java Swing, Struts, Spring Framework, Java Beans, Web Services. |
| Frameworks | Spring, Spring MVC, Spring Boot, Spring Batch, Spring JDBC, Spring Security, Hibernate, Struts, EJB |
| ORM | Hibernate 3 and JPA 2 |
| Web/App Server | Apache Tomcat, JBoss, Web logic, WebSphere, Glassfish. |
| Design Patterns | Singleton, Factory, MVC |
| Web Technologies | JavaScript, HTML, XML, XSL, SOAP, Angular JS, Angular 13/15, Node JS, ReactJS, JSON, Restful web services (API), JUnit. |
| Web Services | SOAP (Axis) and REST (CXF and Jersey) |
| Unit testing | JUnit, Mockito, and Jasmine for JavaScript |
| Databases | Oracle, SQL Server, My SQL, PL/SQL, PostgreSQL, NoSQL, Mongo DB. |
| Tools | Tortoise SVN, TOAD, SQL Developer, Sub Version, SOAP UI, GitHub, Splunk, Jfrog, UDeploy, Fortify Scan, and Black duck Scan |
| Cloud | AWS, Azure |
| Development / Productivity Tools | JIRA, Jenkins, Eclipse, SQL Developer, WinSCP, Core FTP, Puppet, Putty, SonarQube, Kibana, Grafana |
| Domain | Banking, Capital Markets, Health Care, Transportation |
| **Build Tools** | Maven, Jenkins, Docker, Apache Ant. |
| Source Control | SVN, CVS, GitHub, GitLab |

**PROFESSIONAL EXPERIENCE:**

**Amazon**

**Dallas, TX Nov 2021 to Present**

**Lead Java Engineer**

* Involved in various phases of the Software Development Life Cycle (SDLC) of the application.
* Designed and developed the application using Angular13/15 with HTML5, CSS3, SASS, jQuery, AJAX, and Typescript.
* Implemented Angular13/15 Router to enable navigation from one view to another.
* Developed an application to assess JSON and XML from Restful web service from the consumer side using Angular 13/15.
* Experience with tools like Experience with Docker Images/containers and Kubernetes.
* Developed internal application using Angular 13/15 and Node.js connecting to MongoDB on the Backend.
* Developed various generic JavaScript and Angular functions to implement client-side validations.
* Used most of the new features of Java 17 like lambda expressions for communicating between the business layer and database, stream API for Bulk Data Operations on Collections using both streams and parallel streams.
* Collaborated with cross-functional teams to gather requirements and define technical solutions.
* Optimized performance of Java 17 applications through code refactoring and performance tuning techniques.
* Having good implementation experience with installation and configuration of Kubernetes, clustering them, and managing local deployments in Kubernetes.
* Built a real-time pipeline for streaming data using Kafka and Spark Streaming.
* Implemented generating the verification hash code using the crypto package on Node.JS and Added user validations and user permissions by using Node.js.
* Developed new libraries with Microservices architecture using Rest APIs, and Spring Boot.
* Transformed legacy application into a suite of cloud hosted Microservices using Spring Boot and laid the groundwork for x10 traffic scale.
* Migrating applications to AWS and application deployment in the cloud (AWS) with CI/CD tools like Jenkins and Maven.
* Implemented modular approaches for the backend on AWS and implemented interfacing with Postgres SQL.
* Implemented continuous integration and delivery pipelines for Java 17 projects using Jenkins.
* Conducted code reviews and provided technical guidance to ensure code quality and adherence to coding standards.
* Involved in design and development in the process of converting legacy applications into Microservices.
* Worked on Kubernetes, Configuring the Kubernetes pods and testing the pods.
* Used Continuous Delivery / Continuous Integration (CD/CI) tools Docker, and Jenkins to deploy this application to AWS.
* Apache Kafka to send message objects to client queues and topics.
* Analyzed the Node.JS server structure in the legacy project, then mimicked the REST service by using Java 17 JAX-WS API and did the corresponding configurations.
* Developed test cases and performed unit testing using Junit.
* Involved in database design and data migration from the existing database as per the microservices requirement.
* Experience in Updating and modifying queries in Oracle. Developed stored Procedures, Functions, Packages, and SQL Scripts using PL/SQL.

**USAA**

**Dallas, TX Feb 2017 - Nov 2021**

**Sr Full Stack Developer**

* Developed technical documentation in Confluence and used Confluence as a knowledge base.
* Used the JIRA ticketing tool for tracking the issues and bugs.
* Developed webbooks using API to integrate the applications with Bitbucket.
* Extensively used Core Java 11 collections, Generics, Exception handling, and Design patterns for functionality, also worked on Java 11 functional programming concepts and lambda expressions.
* Hands-on experience in working with Kubernetes for managing related, distributed cluster components.
* Worked with Kafka Cluster using Zookeeper. Developed Applications using Rule Engines-JBoss Drools, Workflows, and Human tasks to implement Business rules validations.
* Designed Node.js application components through Express and NestJS frameworks.
* Used Bootstrap and React.js and Node.js in effective web design.
* Create a Java Lambda that watches an AWSS3 bucket, loads the data to Redshift, and sends a message using restful web services if the file has errors.
* Experience with container-based deployments using Docker, working with Docker images, Docker Hub, Docker registries, and Kubernetes.
* Collaborated with backend developers to integrate React components with RESTful APIs.
* Conducted code reviews and provided feedback to improve React codebase quality.
* Implemented unit tests and end-to-end tests for React components using Jest and React Testing Library.
* Designed and implemented reusable React components to maintain consistency across the application.
* Worked in using React components, Forms, Events, Keys, Router, Animations, and Flux concepts.
* Developed CI/CD system with Jenkins on Kubernetes environment, Utilized Kubernetes, and Docker for the runtime environment for the CI/CD system to build, Test and Deploy.
* Using Kafka for Publish/Subscribe pattern in applications dealing with messaging.
* Developed a dashboard based on Ajax calls with Business Customers Count, Flags, and Real-time graphs for Analytical Reporting using Node.js.
* Involved in writing JSPs, JavaScript, and Servlets to generate dynamic web pages and web content.
* Experienced in Docker engine and Docker Machine environments, to deploy micro services-oriented environments for scalable applications. Excellent understanding of the OpenShift platform in managing Docker and Kubernetes.
* Developed responsive user interfaces using React for dynamic web applications.
* Implemented state management with React hooks for efficient data handling.
* Integrated third-party libraries and APIs seamlessly into React projects.
* Used Jenkins and pipelines to drive all microservices builds out to the Docker registry and then deployed to Kubernetes, Created Pods, and managed using Kubernetes.
* Used React JS for templating for faster compilation and developing reusable components.
* Developed readable and writable streams of Node JS to process the data from external means of the application.
* Experience in setting up the life cycle policies to back the data from AWS S3 to AWS Glacier, Worked with various AWS, EC2, and S3 CLI tools.
* Used React Js to implement rich functions in various pages, form validation, crud, grid list, search, sort, multi-selection, authentication, and unit tests.
* Implemented Spring MVC framework for developing J2EE-based web applications.
* Spring was used for its MVC features, dependency injection, and plug-ability with Hibernate.
* Changing the AWS infrastructure Elastic Beanstalk to Docker with Kubernetes.
* Implemented the application using the concrete principles laid down by several Java/J2EE Design patterns like MVC, Singleton
* Working on Web applications using Spring, Hibernate, apart from other standard J2EE technologies.
* Excellent in deploying the applications in AWS as EC2 instances and creating snapshots for the data that had to be stored in AWS S3.
* Used Hibernate to develop a DAO layer for performing CRUD operations on the database and configured it with Spring’s Hibernate DAO Support.
* Resolved cross-browser compatibility issues and ensured consistent behavior of React applications.
* Created Hibernate mapping files for mapping POJO to the database tables. Wrote named queries for querying the underlying database.

**GE Transportation**

**Dallas, TX Oct 2014 – Feb 2017**

**Java Full Stack Developer**

* Worked on Agile methodology including team-based design and code reviews.
* Actively involved in Requirement Analysis, designing, development, and testing of the entire application.
* Responsible for system analysis, design, and development using J2EE architecture.
* Involved in various phases of the Software Development Life Cycle (SDLC) as requirement gathering, modeling, analysis, and architecture design, and the project was developed using Agile Methodology.
* Worked with a team of developers on Python applications for RISK management.
* Experienced in application design development and then testing using the JUnit framework.
* Created multiple Kubernetes Clusters in AWS and deployed a Docker Image on top of the Kubernetes Cluster for testing purposes.
* Knowing (JMS) MQs like Apache Kafka, Rabbit MQ, IBM MQ, and Active MQ.
* Experience in implementing and hosting Docker and Kubernetes containers.
* Experienced Spring Boot-based Microservices using Docker container using Amazon EC2 container services and using Open Shift, AWS admin console.
* Analyzed the Node JS server structure in the legacy project, then mimicked the REST service by using Java JAX-WS API and did the corresponding configurations.
* Designed a data layer using Hibernate ORM 5.0.2 and used Spring ORM to integrate with Hibernate 3.0, and REST APIs that allow low-cost application integrations, Using AngularJS.
* Experience in cloud services such as S3, AWS Lambda, EMR Cluster, and Redshift.
* Used Docker for build and deployment and created tags to tag images.
* Utilized Kubernetes for the runtime environment of the CI/CD system to build, test deploy.
* Ran Log aggregations, website Activity tracking and commit logs for distributed systems using Apache Kafka.
* Installed various Node Js packages using Node Js Package Manager and used for running applications on distributed services. Involved in implementing Ci/Cd pipeline for the whole application.
* Used AJAX in suggestion list and to display dialog boxes, Developed Web Services using WSS SOAP, WSDL, UDDI, and XML, Created Stored Procedures using PL/SQL.
* Performed unit testing using the JUnit framework and used jQuery test cases for testing action classes, Monitored the logs using Log4j and fixed the problems and used GitHub and Git UI.
* Implemented new features that store user activity information for data analysis using Spring Framework (Java) and Netflix OSS Microservices architecture, Gerrit for code review, and Amazon EC2 for deployment.
* Developed various Angular 2/4 components, services, and modules to implement features of the application.
* Used Maven, Tomcat, and Jenkins to automate the build deployment process, Upgrading grid infrastructure from 10g versions along with database upgrades.
* Migrated the code from Mongo Database to Mark logic Database, involved in research activities determining frameworks and technologies for the development of the application.
* Conducted knowledge-sharing sessions among the team members in technical areas and created multiple custom filters in AngularJS to display the dynamic value.
* Developed code using NetBeans as an Integrated Development Environment for Java-based applications.

**Blue Cross Blue Shield Association (BCBSA)**

**Dallas, TX Jun 2012 – Oct 2014**

**Java Developer**

* Designed and developed various modules of the application with J2EE design architecture, and frameworks like Spring MVC architecture, and AngularJS.
* Designed and developed Microservices business components using Spring Boot.
* Developed reusable components and Services using AngularJS.
* Developed a templating library for form generation with EJS.
* Created and configured microservices and integrated them with Angular application.
* Integrated Apache Kafka for data ingestion.
* Used Node JS to run Web pack tasks and build properly the project.
* Implemented modular approaches for the backend on AWS Elastic Beanstalk and interfaced with MySQL/Aurora DB on AWS’s RDS, allowing for scalability.
* Experience with Docker Containers, leveraging Linux Containers and AMIs to create Docker Images/containers and Kubernetes.
* Used Kubernetes to deploy scale, load balance, and manage Docker containers with multiple namespace versions.
* Wrote Kafka producers to stream the data from external rest APIs to Kafka topics.
* Developed cross-browser/platform HTML5, CSS 3, and JavaScript to match design specs for complex page layouts while adhering to code standards.
* Documented every Defect that was worked on and saved in the Knowledge Center.
* Experience working with Docker containers, Amazon EC2, S3 and ELBs in an AWS Environment.
* Developed Node.JS readable and Writable streams to process the data from the external source of the application.
* Experienced in Docker engine and Docker Machine environments, to deploy microservices-oriented environments for scalable applications. Excellent understanding of the Open Shift platform in managing Docker and Kubernetes.
* Develop integration techniques using the Apache camel and Apache Active MQ technologies and experience using Fuse/Apache Kafka as an integration platform and Apache Active MQ as a messaging platform.
* Configuration file and Node JS used at the back end to interact with MongoDB using Mongoose connector.
* Designed and developed asynchronous RESTful Microservices using Spring boot, Couch base, and RX Java that are consumed by other Microservices with an average response time of 30 milliseconds.
* Use Amazon Cloud Watch to monitor AWS services & Amazon Cloud Watch logs to monitor the application.
* Used Docker for creating Docker images for launching containers on AWSEC2.
* Worked on Kubernetes to orchestrate docker containers across tested, stage environments. Migrating SOA applications to highly scalable Cloud Native Container based with Confidential EKS (Kubernetes on AWS).
* Developed RESTful Web services client to consume JSON messages using Spring Boot configuration.
* Used validators, converters, jQuery, and JavaScript inbuilt functions in the application for validation.
* Implemented DAO for data access using Spring MVC, Spring Boot, and Hibernate.
* Implemented REST Microservices using spring boot. Generated Metrics with method-level granularity and Persistence using Spring AOP and Spring Actuator.
* Developed database persistence layer components for mapping an object-oriented domain model to the relational database using ORM frameworks such as Spring JDBC Support, Hibernate, and JPA.

**EDUCATIONAL DETAILS:**

Bachelors in computer science from University of Texas at Dallas - 2012