**SHAHED MOHAMMAD**

**Sr. Java Full Stack Developer**

**PROFESSIONAL SUMMARY:**

* Seasoned **Java/J2EE** Developer with over **8** **years** of experience in the full Software Development Life Cycle (SDLC), object-oriented programming, and enterprise and web application testing. Proficient in various Agile methodologies, including **Test Driven Development** and Pair Programming. Demonstrated expertise in **UI** design with **HTML5**, **CSS4**, **TypeScript**, **JavaScript**, and **Angular16**, including the successful migration of legacy Java applications to **Java** **17**.
* Skilled in designing and developing **Microservices** using the **REST** framework, **Spring Boot**, and **Angular**, with experience in implementing **Spring Boot** **Microservices** for handling message processing within **Kafka** cluster configurations..
* Extensive hands-on experience with **Amazon Web Services (AWS)** including **EC2**, **RDS**, **Elastic** **Load** Balancing, **SQS**, **SNS**, **IAM**, **CloudWatch**, **Elastic** **Beanstalk**, and **CloudFront**. Proficient in **Kubernetes** for orchestrating the deployment, scaling, and management of **Docker** containers.
* Expertise in creating and integrating Docker images and containers with **Spring** **Boot**. Experienced in building data pipelines using Kafka and Spark, handling messaging services with **Apache** **Kafka**, **JMS**, and **RabbitMQ**, and working with web services such as Apache **SOAP**, **REST**, and **WSDL**.
* Well-versed in **CI**/**CD** strategies using **GIT**, **Nexus**, **Jenkins**, **Maven**, and **Docker**. Proven track record in developing enterprise solutions utilizing Cassandra, **AWS**, **NoSQL**, **MongoDB**, **PHP**, **Apache** **Solr**, Elasticsearch, **Memcache**, **MySQL**, and **SQL** Server. Skilled in data migration from Oracle databases using Spring JDBC to Apache Cassandra NoSQL databases.

**SKILL OVERVIEW:**

**Front End:**

* Experienced Frontend Developer specializing in **Angular** (versions 4 to 16), **Node**.**js**, **React** **JS**, **Bootstrap**, and core web technologies such as **JavaScript**, **Ajax**, **jQuery**, **CSS3**, and **HTML5**. Proficient in crafting dynamic UI modules and utilizing AngularJS directives and filters to enhance web functionality. Skilled in managing HTTP requests with rxjs Observable library and adept at responsive web design. Committed to staying updated with the latest frontend technologies and design trends to deliver highly interactive web applications.

**Backend:**

* Experienced Java Developer proficient in **Java 8**, 11, and 17, with a strong track record in developing and maintaining robust, scalable systems. Expertise in the Spring Framework, encompassing IOC/AOP, Spring Boot, Spring MVC, Spring Transaction Management, and Hibernate integration. Skilled in various Spring modules including Spring **MVC**, **IOC**, **AOP**, **JDBC**, **JTA**, **IO**, **Spring Dashboard**, **Spring Microservices**, **Spring REST**, **Spring Eureka**, and **Spring Netflix**. Additionally, experienced in **EJB**, **XML**, Spring (3/4/Boot), RMI, JMS, JDBC, Servlets, JSP, Hibernate, Web Services, and JNDI, with integration proficiency in IBM WebSphere. Dedicated to delivering efficient, cutting-edge Java-based solutions while staying abreast of the latest industry trends.

**Databases:**

* Proficient in database modeling, design, and development, with a strong emphasis on **PL/SQL** stored procedures and packages in relational databases such as **Oracle 10g/11g**, **SQL Serve**r, **DB2,** **PostgreSQL**, and **MySQL**. Skilled in leveraging **NoSQL** databases like **MongoDB** and **Cassandra**, contributing to a wide range of data management solutions. Adept at optimizing database performance, ensuring data integrity, and staying current with the latest advancements in database technologies.

**Cloud Technologies:**

* Skilled in harnessing **Amazon Web Services (AWS)** to optimize cloud-based architectures. Proficient in key AWS services including **EC2** for virtual server instances, **S3** for scalable storage, **RDS** for managed databases, Lambda for serverless computing, **SNS** for notifications, **SQS** for message queuing, IAM for access management, and CloudFormation for efficient infrastructure management. With a proven track record in designing and implementing **AWS solutions**, I focus on enhancing scalability, reliability, and cost-effectiveness for organizations leveraging **cloud computing**. Committed to aligning AWS strategies with business objectives to drive successful outcomes..

**DevOps:**

* Highly skilled in implementing CI/CD practices using **Maven**, **Docker**, **Jenkins**, **Git**, **Azure DevOps**, and version control systems like Subversion (SVN) and CVS. Proven expertise in designing and managing robust event-driven solutions with **Kafka** in enterprise environments. Proficient in Kubernetes, facilitating efficient management of containerized applications at scale. With a focus on automation, **Kubernetes** enables seamless deployment, scaling, and maintenance across multi-node clusters, ensuring high availability and optimal resource utilization.

**Version Control:**

* Highly skilled in **Git**, the industry-standard distributed version control system. Proficient in executing **Git commands,** managing branches, merging, and resolving conflicts. Experienced in working with remote repositories to facilitate seamless collaboration with distributed teams. Familiar with popular Git platforms such as **GitHub** and **GitLab**, where I manage repositories, collaborate on projects, and use pull requests for streamlined code reviews and team collaboration. My **Git** expertise enables efficient version control, empowering smooth Agile Development workflows.

**Testing:**

* In automation testing, I utilize **Selenium** for UI automation and **JUnit/TestNG** for efficient backend testing. I complement backend testing with **EasyMock** for data stubbing and proxying. For robust unit testing, I employ **Mockito** alongside **JUnit**. My testing proficiency spans functional, stress, integration, load, and performance testing. This comprehensive skill set enables me to deliver high-quality, thoroughly tested software solutions that consistently meet client expectations.

**TECHNICAL SKILLS:**

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| **Programming Languages** | Java 17.0/11.0/8.0/7.0, PL/SQL |
| **Java/J2EE Technologies**  | Servlets, Spring, EJB, JPA, JDBC, JSP, JSTL, JNDI. |
| Frameworks | Spring Boot, Spring Data JPA, Hibernate, Spring Security 3.2 |
| Application/Web servers | Apache Tomcat 8, IBM Web Sphere 8.x/9.x, Web Logic 12c |
| Relational Databases | Oracle 10g/11g, SQL server 2012/2014/2016, MySQL 5.7, DB2 11.1, Postgres |
| **NoSQL Databases** | Mongo DB, Cassandra |
| Internet Technologies | HTML 5, JavaScript, CSS 3/4, jQuery, Ajax, Angular 14/10/6/4/js, Typescript, JSON |
| Cloud Environments | AWS, Kubernetes. |
| IDE | Eclipse, IntelliJ, Spring Tool Suite (STS) 3.8.3, Postman, TOAD |
| Testing &Bug tracking Tools | JUNIT4/5, Jasmine, Protractor, JIRA 7.0, Bugzilla 4.4.12, Curl 7.36, Blaze meter |
| Methodologies | Agile, waterfall, Scrum |
| Build Tools | Ant 1.10, Maven 3.3.9, Gradle 6.4.1 |
| Web Services | SOAP, REST, JAX-WS, JAX-RPC, JAX-RS, SOAP UI. |

**CERTIFICATIONS:**

* **Certified Java Developer.**

**PROFESSIONAL EXPERIENCE:**

**Client: Comcast, Philadelphia, PA November 2022 – Till Date**

**Role: Full Stack java Developer**

**Responsibilities:**

* Involved in all stages of the **Software Development Life Cycle (SDLC)**, including requirement gathering, design, analysis, and coding.
* Implemented applications using Agile methodology with daily SCRUM meetings for status updates and issue resolution.
* Developed Java modules with **Spring MVC** for implementing business rules and workflows.
* Experienced in performance tuning, testing, analysis, and optimization of **J2EE applications**.
* Enhanced project maintainability by improving Exception Handling and Collection APIs.
* Participated in Sprint planning for effort estimation of user stories and bugs.
* Conducted code reviews and set guidelines for software management, coding standards, and commenting.
* Implemented **UNIX** shell scripts for data validation, job submission, and job management.
* Used Spring Boot to build cloud Microservices and Spring-based applications with minimal configuration.
* Designed and constructed **RESTful JSON** and **XML** microservices platforms for integrating billing information.
* Utilized multi-threading and concurrency packages to improve performance in real-time data processing with **Zacks API**.
* Developed infrastructure on **AWS**, leveraging services like **EC2**, **RDS**, **CloudFront**, **CloudWatch**, and **VPC**.
* Worked with Red Hat Process Automation Manager for creating business automation applications and microservices.
* Developed and supported API Management with **APIGEE**.
* Deployed containers and **Microservices** on AWS using EC2 Container Services.
* Created software for **AWS** in **Java DK 17**, incorporating Spring Framework, **MySQL**, **AWS** **Aurora**, **Lambda**, **API Gateway**, **S3**, **SNS**, **SQS**, **DynamoDB**, **EC2**, **EBS**, **Akamai** **WAF**, and **Apache** **Tomcat**.
* Designed and optimized data models for Couchbase NoSQL databases to enhance performance and scalability.
* Integrated Couchbase into backend services for ensuring data consistency and reliability.
* Implemented design patterns like Singleton, Data Access Objects, Factory, and MVC.
* Actively involved in deploying application war files on WebLogic Application Server.
* Refactored code for **JVM** optimization and application performance improvement.
* Implemented SOA architecture with **SOAP, WSDL**, and **XML** for integrating legacy systems.
* Configured **Splunk** for aggregating logs and real-time monitoring to proactively detect and resolve system issues.
* Developed custom dashboards and alerts in **Splunk** for monitoring key performance metrics and troubleshooting.
* Leveraged **Splunk's SPL** to derive insights from machine-generated data, enabling data-driven decisions and optimizing system performance.
* Implemented **Angular 16** Controllers and Angular Service calls, and tested application controllers with AngularJS testing facilities.
* Optimized Microservices using **NodeJS** and **ES6** for **Cassandra** **NoSQL** database interfaces.
* Developed code using **Java EE** platform, incorporating **MVC**, Factory, Delegate, and **Singleton** design patterns.
* Implemented security on **Microservices** using **Spring Boot Auth server** with JWT tokens as **OAUTH2** mechanism.
* Managed Maven & Gradle-based build processes and continuous integration with Jenkins.
* Conducted unit testing using **JUnit** and **Mockito** frameworks as part of the development cycle.
* Utilized **RESTful Web services** for efficient data transfer between applications.
* Managed both **Mongo DB** and **Oracle DB** for the application, with **Oracle** used for legacy info and MongoDB for other data.
* Collaborated closely with team members through reactive pair programming, improving code quality and accelerating project delivery.
* Conducted real-time code reviews, promptly resolved issues, and effectively shared knowledge to align projects and ensure team cohesion.
* Developed interactive, responsive user interfaces using **React/ReactJS**, employing reusable components and state management features.
* Implemented complex **UI** features and integrated **external APIs** for seamless user experiences in web applications.
* Performed **CRUD operations** in **MongoDB** to Update, Insert, and Delete data.
* Implemented backend using **Node.js**, with **MongoDB** handling data storage and management.
* Deployed, managed, and developed **MongoDB** Clusters for scalability, configuration, and monitoring.
* Developed UI using **AngularJS**, **HTML**, **JavaScript**, and Business Logic with Business Objects, **XML**, and **JDBC**.
* Managed **Jira** tickets to ensure timely completion and regular updates on ticket status.
* Used **Bitbucket** for version control, ensuring **SLA** compliance and improving application performance.
* Developed detailed program designs for application changes and major bug fixes.
* Wrote program **documentation** and technical specifications.

**Environment:** Java: JDK 1.7, J2EE, Spring v4.x, Spring MVC, Multithreading / Concurrency, Apache Camel, Tomcat server, log4j, GIT (Stash), Source Tree, React js , Spring, Jersey REST web services, Maven, Gradle, SOAP/Restful Web Services, Red hat Linux, Jenkins, WSDL, Spring Based Microservices, STS, Junit, XML, JSON, MongoDB, Jenkins, Bitbucket/GIT, Jira, DB2**.**

**Client: CVS Health, June 2017 – October 2022**

**Role: Full Stack Java Developer**

**Description:** Project scope was to use java technologies to develop pages for the business flow. Web components were integrated to support the business that contains credit checks, cash payments and reward modules.

**Responsibilities:**

* Participated in **SDLC** phases: requirement gathering, analysis, design, development, testing, and deployment using Agile (SCRUM).
* Implemented Java Platform Module System (**JPMS**) for better code organization and maintainability.
* Designed modular application architectures to improve scalability and maintenance.
* Used pattern matching in **Java** **11** to simplify complex conditionals and enhance code readability.
* Leveraged record types in **Java 11** to create immutable and concise data structures, reducing boilerplate code.
* Developed dynamic user interfaces with **React/ReactJS**, using component-based architecture and virtual DOM.
* Managed application state with **Redux** or **Context API** for seamless data flow.
* Utilized React Router for client-side routing, optimizing navigation and user experience.
* Integrated applications using **OpenID Connect** and **OAuth 2.0 protocols**.
* Collaborated with cross-functional teams to define access control rules based on security best practices.
* Worked with production support to resolve issues and maintained deep knowledge of production environments.
* Created non-blocking, event-driven applications with **Node.js**.
* Developed scalable backend solutions with **Node.js** and implemented **RESTful APIs** and **microservices.**
* Implemented MuleSoft ESB flows and orchestrated integrations to meet business needs.
* Gathered integration requirements and provided technical expertise in solution design.
* Developed **Android applications** in **Kotlin**, focusing on maintainability and resilience.
* Engineered **RESTful APIs** and **backend services** with **Kotlin** and **Spring Boot**, emphasizing performance and security.
* Designed data models for Couchbase **NoSQL** databases for efficient data storage and retrieval.
* Integrated Couchbase into backend services using **SDKs** or **REST** **APIs**.
* Implemented caching strategies with Couchbase to enhance performance.
* Ensured efficient **Kotlin** development with best practices for resource utilization and error handling.
* Integrated **MuleSoft** connectors with various endpoints, including databases and APIs.
* Applied **MuleSoft** API policies for security and traffic management.
* Deployed and monitored **MuleSoft** applications using Anypoint Monitoring.
* Collaborated with **QA** teams to develop test plans for MuleSoft integrations.
* Conducted code reviews to ensure quality and adherence to best practices.
* Participated in on-call rotations, providing 24/7 support for critical incidents.
* Applied **EJB 3.x** best practices to optimize performance and maintain code quality.
* Designed and executed end-to-end integration solutions with **Mule ESB**.
* Used **Spring Batch** and **Spring Job** for batch processing workflows.
* Designed API gateway solutions with **Nginx** to secure communication between microservices.
* Configured API traffic policies for authentication, authorization, and rate limiting.
* Used Spring Tool Suite (STS) for developing and debugging **Spring** **Boot** applications.
* Implemented Spring Boot and Hibernate **ORM** for **Java** **EE** components.
* Used Spring Security for application security and Single Sign-On (SSO) solutions.
* Built and maintained **GraphQL** APIs for seamless frontend-backend communication.
* Implemented microservices architecture with **Netflix**, **Spring** **Eureka**, and **Spring** **Ribbon**.
* Used **Spring** **Boot** **Actuator** for monitoring production applications.
* Developed **Java**, **J2EE**, **Webwork**, and **Hibernate** applications using XP practices.
* Managed multiple AWS accounts and VPCs for automation and cost control.
* Configured Amazon IAM for granular access to **AWS** resources.
* Worked with AWS services like **EC2**, **S3**, **RDS**, **Lambda**, **Fargate**, and **Outposts**.
* Deployed microservices using **Docker Engine** and **Docker Machine.**
* Used Maven for building and deploying applications to Apache **Tomcat**.
* Integrated **Apache** **Spark** with **Kafka** for web analytics.
* Assisted in migrating applications to **Docker**-based **PaaS** platforms with **Kubernetes**.
* Updated Swagger files to configure service endpoints.
* Used **Spring Batch** and Task Scheduler for data import automation.
* Provided training on Integrated Eligibility systems.
* Used **Jenkins** CI/CD pipelines to build and deploy applications to **Kubernetes**.
* Executed **LoadRunner**/**JMeter** scenarios for stress, scalability, failover, and load testing.
* Experienced in database modeling and design with **ER** **diagrams** and **ORM** **frameworks** like **Hibernate**.
* Developed **PL/SQL** stored procedures, triggers, and views, and executed CRUD operations with MongoDB.
* Designed and implemented a **MongoDB**-based database and **RESTful** web service for high-volume user profile data.

**Environment:** Java, J2EE, HTML5, CSS4, JavaScript, reactjs , AWS, Hibernate, MongoDB, Web Services, Spring Boot 3.1.1, JPA, Nginx, Junit, Tomcat, GraphQL, Microservices, Kafka, HDFS, HBase, Hive NoSQL, Swagger, Spring Tool Suite (STS) ,Spring Boot, Spring Batch, Spring Eureka, Spring Ribbon, Kubernetes, Jenkins, Docker, Kubernetes, Paas.

**Client: Infosys, Hyderabad, India July 2016 –May 2016**

**Role: Jr. Java Developer**

**Description:** This project involves the application of advanced financial technologies and customer-focused design to create a seamless, secure, and user-friendly mobile banking experience. The primary aim is to provide customers with the right financial services and tools at the right time, ensuring optimal accessibility, efficiency, and satisfaction. This project leverages digital innovations to enhance banking operations, streamline transactions, and deliver personalized financial solutions, ultimately driving customer engagement and business growth in the banking sector.

**Responsibilities:**

* Mentored team through complete **SDLC** tasks - design, coding, testing, and documentation using Rational Unified Process (RUP).
* Designed and developed web-tier using **HTML**, **JSP**, **Servlets**, **Struts**, and **Tiles framework**.
* Developed business module applications using J2EE technologies: Servlets, JSP, and JDBC.
* Applied **J2EE design** patterns: Session Façade, Business Delegate, Service Locator, Value Object, Value List Handler, Singleton.
* Utilized Spring Framework's lightweight container for architectural flexibility and implemented Spring with Tiles Framework for consistent presentation views.
* Integrated **Struts MVC** with **Spring DI** and **Spring Hibernate** **DAO**.
* Utilized EJB Session Beans for request processing and **CMP** Entity Beans for persistence.
* Developed **EJB MDBs** and message queues using **JMS** technology.
* Implemented security for different **front-end** views based on access privileges.
* Used Hibernate for mapping an **object-oriented** domain model to a relational database.
* Implemented design patterns: Business Delegate, Data Transfer Object, Data Access Object, Service Locator, **Singleton**.
* Utilized **SQL** statements and procedures for database interactions.
* Employed **JavaScript** for client-side validations and validation framework for server-side validations.
* Used **SAX** and **DOM** parsers for XML document parsing and XSLT for transformations.
* Consumed third-party Web Services (**WSDL**, **SOAP**) for payment authorization.
* Deployed applications on **WebSphere** Application Server.
* Used **Log4j** for logging and Rational ClearCase for version control.
* Developed test cases and performed unit testing using JUnit framework.
* Managed version control with CVS.
* Used ANT scripts for fetching, building, and deploying applications to the development environment.

**Environment:** Java, J2EE, Servlet’s, Struts1.1, JSP, XML, DOM, HTML, JavaScript, PL/SQL, JDBC, Sybase, WSAD 5.0. Web Services, JAX-RPC, Eclipse Plug-ins, Solaris Shell Scripting.