Manish Shrestha

Full Stack Java Developer

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PROFESSIONAL SUMMARY:

- Professional **7+** years of Java development experience for full-stack Java application development in all aspects of the software development life cycle including analysis, design, development, and implementation.
- Experience with client-server applications using **Java, Servlets, JSP, EJB (Entity Beans, Session Beans, MDB, Transactions, Security), JDBC, Spring, Spring AOP, Spring MVC, Spring Data, Spring Security, Hibernate,** and **JPA.**
- Experience developing and deploying **Spring boot Microservices** to **AWS** cloud environment.
- Experience in implementing **Service Oriented Architecture** (SOA) using **SOAP, RESTful Webservices** for synchronous communication.
- Implemented **Java 8 features** like **Lambda expressions**, Streams, filters, and fetching documents from the database well versed in building **RESTs API** (**JAX**-RS) based on Spring Boot.
- Experience in using **SOAP UI** and Postman for testing **Web services** and **APIs**.
- Experience in using **Hibernate** for mapping Java classes with database entities and Hibernate Query Language (**HQL**), along with caching, mapping strategies and annotations with **Hibernate**.
- Expertise in various **J2EE** design patterns like **Singleton, Factory, Abstract Factory, DAO, MVC, Facade &Business Delegate** in the development of enterprise applications
- Experience in front-end development using **HTML5**, **CSS3**, **JavaScript**, **Angular**, **Bootstrap**, **jQuery, XML, JSON,** and **AJAX**.
- Experience in writing modular and **reusable components**, as well as managing authentication and authorization in **Angular**.
- Followed **Waterfall** and **Agile** methodology (**Scrum** and **XP**), along with Test Driven Development to satisfy customer requirements and deliver software using continuous integration and continuous delivery processes.
- Experience in **Spring Security Modules** for **Authentication** and **Authorization**.
- Experience implementing design patterns such as Model View Controller (**MVC**), Business Object (**BO**), Session Facade, Data Access Object (**DAO**) Data Transfer Object (DTO), Front **Controller**, **Singleton,** and **Service Locator**.
- Expertise in implementing **Microservices** using Spring boot framework.
- Experience with different IDEs like **Eclipse**, **VS Code**, **IntelliJ,** and other **JetBrains** tools and version control using **GIT**.
- Experience in technologies like **Docker**, **Kubernetes,** and **OpenShift**.
- Experienced in building tools like **Maven**, and **Gradle** and using them in conjunction with continuous integration tools like Jenkins.
- Experience configuring **AWS** and **AWS services** like S3, EC2 and AWS Lambda.

Programming Languages	Java, JavaScript
Core Java	JavaBeans, JDBC, I/O, Annotations, Collections, Exceptions and Multi-Threading, Lambda Expressions, Stream APIs
Frameworks/ORM	Spring core, Spring boot, Spring AOP, Spring Transaction, Spring JPA, Spring MVC, Struts, Hibernate ORM, JPA
Web Technologies/J2EE	JSP, Servlets, AJAX, XML, JavaScript, Angular, HTML5, CSS, JSON, jQuery, JMS, Apache Pulsar
IDE's and Utilities	Eclipse, My Eclipse, NetBeans, IntelliJ IDEA, Spring Tool Suite (STS)
Database	Oracle, SQL Server, MongoDB, PostgreSQL
Web Services	REST, Microservices, SOAP, WSDL, Axis2
Testing Tools	JUnit, Mockito.
Application Servers	IBM Web Sphere, WebLogic, Tomcat, JBoss
Operating Systems	Windows 10/7/XP, Linux (Ubuntu), Mac OSX.
Design Patterns	Singleton, Abstract Factory, Factory, Builder, Business delegate, Service locator, Model View Controller, Session Facade, DAO, Business Object, Data Transfer Object (DTO).
Scripting	JavaScript, JSON, and JSP.
Continuous Integration	Jenkins
Logging/Debugging Bug Tracking /Management Tools	Log4J, Sl4j, JIRA
Cloud	AWS

PROFESSIONAL EXPERIENCE:

American Express, New York, NY   **Jan 2022 - Present**
Role: Full Stack Java Developer

Responsibilities:
- Involved in requirement analysis, design, development, and testing phases of the Software Development Lifecycle (**SDLC**) leveraging Agile Methodology
- Involved in the development of services-based architecture utilizing technologies like Hibernate ORM with JPA Annotations and **Spring MVC** Framework.
- Implemented **J2EE** standard **MVC** architecture using Spring Framework.
- Used **MDBs** (**JMS**) for asynchronous communication with the system.
- Contributed to in-house application development and maintenance in applications such as **Loadmaster** and wrote **Java Code** for new and existing applications and products and supported existing customer installations.
- Used **JAX-WS** to consume the **SOAP Web Services**.
- Used annotations from **Spring**, along with **JPA** and **Spring Data JPA** dependencies.
- Used **OpenShift** for creating new Projects, Services for load balancing and adding them to Routes to be accessible from outside
- Deployed **WAR** applications in the **WebLogic Application** Server Environment.

- Involved in implementing the **JMS** (Java messaging service) for asynchronous communication.
- Designed stored procedures using Procedural Language for **SQL** (**PL/SQL**) for data manipulation, and designed functions that utilize the stored procedures.
- Used **Spring**, **Hibernate** module as an **Object Relational mapping** tool for back-end operations over **Oracle 10g** database.
- Developed and maintained a clean and user-friendly interface using **Angular** 4, **jQuery**, **Ajax**, etc.
- Used Eclipse with **Tomcat** application server for development and application deployment.
- Designed and developed **REST** APIs using **Spring Boot**, as well as migrating from **SOAP-based** web services to **RESTful services**.
- Migrated the **SOAP Web Services** to Restful Web Services, designing the endpoints for sending and retrieving data.
- Built interactive and responsive **UI** using JavaScript, **Angular** 4, and **Bootstrap**.
- Developed unit test cases using **Junit**, integration tests using **Jenkins,** and used **Log4j** for logging.
- Configured **AWS** and **AWS services** like S3, EC2 and AWS Lambda
- Supported **QA** in resolving issues by reproducing, diagnosing, and analyzing the root cause of bugs.
- Hands-on experience in testing, finding bugs, and resolving issues in the production server.
- Performed code reviews and assisted team members in development or debugging.

Comcast, Philadelphia, PA   **Oct 2018 – Dec 2021**
Role: Full Stack Java Developer

Responsibilities:
- Designed and developed business components using **Spring AOP**, **Spring IOC**, and **Spring Annotations**.
- Configured and deployed the application using Tomcat as the web server and **WebLogic** as the application server.
- Designed and developed **Restful APIs** for different modules in the project as per the requirement.
- Followed **Agile Development** methodologies in the project workflow.
- Used **JIRA** as a Project Management tool for creating the user stories and tasks and Issue Tracking.
- Developed user interface using **JSP, HTML5, CSS3, JavaScript, Angular, AJAX, and jQuery** to simplify the complexities of the application.
- Used **Spring IOC** to inject the services and their dependencies in the dependency injection mechanism.
- Involved in writing **Spring Configuration XML**, the file that contains declarations and business classes is wired up to the frontend managed beans using the **Spring IOC** pattern.
- Implemented **J2EE** design patterns such as **Business Object** (BO), **Service Locator**, **Session** façade, **Model View Controller**, **DAO** (**Data Access Object**), and **DTO**, **Front Controller**, **Singleton**.

- Utilized **Spring MVC** for reusability of code, and ease of testing.
- Used **Postman** for testing web services.
- Used **Log4J** for application logging.
- Used **MAVEN** for building framework and Jenkins for continuous integration system.
- Utilized **IBM MQ Series** for asynchronous Messaging using **Queues** and Topics.
- Extensive use of **Dependency Injection** with **Angular**.
- Used Spring **Data JPA** with **Hibernate** as data persistence API for handling the database operations.
- Involved in writing the **Junit** test cases as part of unit testing, and used Mocking frameworks in the **TDD approach**.
- Involved in Documentation and Use case design by using **UML** modeling including the development of **Class Diagrams**, Sequence Diagrams, and Use Case Transaction diagrams.
- Involved in all the phases of the Software Development Life Cycle **SDLC** including analysis designing coding testing and deployment of the application.
- Developed and deployed **Spring Boot** Microservices in the **AWS** cloud platform.
- Developed required code for user stories to solve any active issues which were approved by the **QA**.

Capgemini, Dallas, Tx   Mar 2016 – Sept 2018
Role: Java Developer

Responsibilities:
- Implemented **J2EE** design patterns such as Business Object, Service Locator, Session façade, **Model View Controller**, **DAO** (Data Access Object), and **DTO**, **Front Controller**, **Singleton**.
- Used **Spring IOC** to inject the services and their dependencies.
- Implemented application-level persistence using **Hibernate** and **Spring**.
- Used Java Messaging **artifacts** using **JMS** for sending out automated notification emails to respective users of the application.
- Involved in writing **Spring Configuration XML**, a file that contains declarations and business classes that were wired up to the frontend managed beans using the **Spring IOC pattern**.
- Data **Operations** were performed using Spring **ORM** wiring with **Hibernate** and Implemented **Hibernate** Template and criteria **API** for the Querying database.
- Deployed the application in the **AWS** cloud platform.
- Developed a code for Web services using **XML**, and **SOAP** and used the **SOAPUI** tool for testing the services proficient in testing Web Pages functionalities and raising defects.
- Designed and developed **RESTful APIs** for different modules as per the requirement.
- Developed interactive web pages using **AJAX** and **JavaScript**.
- Developed user interface using **JSP**, **HTML5**, **CSS3**, **JavaScript**, **Angular 5, JSP** Tag libraries **JSTL**.
- Developed and deployed Spring Boot microservices on AWS Cloud environment using PCF.
- Designed and developed business components using **Spring AOP**, **Spring IOC**, and **Spring Annotations**.

- Developed **SQL** queries to interact with **Oracle database** and was involved in writing PL/SQL code for procedures and functions.
- Involved in all phases of **SDLC** including analysis, designing, coding, testing, and deployment of the application in an **Agile** Environment.
- Used **Log4J** for application logging and **SVN** as the source control system.

Education

Associate degree in computer science
Houston Community College

References Available Upon Request