**Name: Narasimha Deva Gadamsetti**

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**PROFESSIONAL SUMMARY**

* Combined 10 years of professional experience as Full Stack Java Developer, with expertise in distributed n-tier architecture, requirements analysis, design, development, testing, documentation, implementation, and maintenance, developing Java applications using Java 8+/J2EE, Spring, Spring Boot, and RESTful services, along with expertise in UI frameworks.
* Experienced in working with various JMS providers, such as Apache ActiveMQ, RabbitMQ, and IBM WebSphere MQ.
* Knowledgeable about JMS message persistence, message ordering, and message delivery modes.
* Extensive experience in leveraging various AWS services such as EC2, S3, RDS, Lambda, API Gateway, and CloudFormation for building and managing cloud infrastructure.
* Knowledgeable in frameworks like Spring, Spring Boot, and MyBatis
* Expertise in Java (JDK 1.8), Spring Framework, Spring Boot, and RESTful services
* Strong knowledge and experience in ORM frameworks like JPA/Hibernate, ensuring efficient data management in applications.
* Expertise in using the Java Persistence API (JPA) for object-relational mapping (ORM) and data persistence.
* Proficient in designing and implementing JPA entity models, mappings, and relationships to represent complex data structures.
* Well-versed in using different JPA implementations, such as Hibernate, EclipseLink, and OpenJPA.
* Knowledgeable about JPA caching strategies, performance tuning techniques, and database optimization.
* Adept at integrating JPA with other Java frameworks and technologies, such as Spring, CDI, and RESTful web services.
* Knowledgeable in JEE technologies such as Struts, Spring Framework (IoC, MVC, Transactions, Security, and Batch), Spring Boot, Spring JDBC, JPA, Hibernate, SOAP/RESTful, XML, DB2, Tomcat, and WebSphere
* Skilled Java developer with expertise in building robust web applications using the Spring MVC framework.
* Proficient in leveraging Spring MVC's features, including controller, view resolution, model binding, and exception handling.
* Extensive hands-on experience in designing, developing, and maintaining complex GraphQL API backends, including intricate query resolvers and multi-layered data fetching mechanisms.
* Proficient in developing robust and scalable GraphQL mutations for seamless data modifications, adhering to best practices in areas such as input validation, data consistency, and error handling.
* Adept at implementing advanced GraphQL features like subscriptions, directives, and middleware, enabling real-time data updates and enhancing API functionality and performance.
* Experienced software developer with a strong background in Agile/Scrum methodologies, fostering collaboration, iterative development, and continuous improvement.
* Proficient in designing and implementing RESTful APIs, leveraging JSON for efficient data exchange and OAuth for secure authentication and authorization.
* Well-versed in SOAP (Simple Object Access Protocol) and Web Services Description Language (WSDL) for building and consuming enterprise-level web services.
* Proficient in relational database management systems and SQL, with a strong understanding of database design, normalization, and query optimization techniques.
* Skilled in utilizing the Java Database Connectivity (JDBC) API for establishing database connections and executing SQL statements from Java applications.
* Experienced in integrating Hibernate, a powerful object-relational mapping (ORM) tool, with Spring for efficient data persistence.
* Extensive hands-on experience with various AWS services, including EC2, Fargate, ECS, Lambda, Cognito, KMS, Route53, CloudWatch, Batch, DynamoDB, RDS (PostgreSQL).
* NoSQL databases, such as MongoDB, Cassandra, or Redis, for 6 years, ensuring optimal data storage and retrieval in distributed systems.
* Familiarity with MySQL, Oracle, DB2, and MS SQL Server used as back-end databases. Made heavy use of database tools such as SQL Developer and TOAD. Solid understanding of SQL, PL/SQL, and Oracle for database programming using stored procedures, triggers, and functions.

**EDUCATION:**

* Bachelor’s in computer science from LPU, Punjab - INDIA 2013

**TECHNICAL SKILLS:**

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| --- | --- |
| **Programming Languages** | JAVA (JDK 1.6/1.7/1.8), SQL, PL/SQL |
| **Java Technologies** | Core Java, JDBC, Servlets, JSP, Web Services |
| **Frameworks** | Spring 4.x, Spring Framework (MVC, Boot, Core, JDBC, AOP, Security, Batch, Rest). Struts, Hibernate, Log4j, LogBack, Cucumber, TestNG, Junit, BDD |
| **Web Development** | HTML 5, XML, JSON, Micro Services, SOAP, Restful Web services. |
| **UI Technologies** | JavaScript, Ajax, jQuery, AngularJS, Angular 9.0, CSS3, Node JS, Bootstrap |
| **Database systems** | Oracle 11g, SQL Server 2012, Cassandra, MongoDB |
| **Application/Web Servers** | WebLogic 10, WebSphere, Apache Tomcat 6.x/7.x |
| **Build Tools** | Maven, Ant 1.4, Gradle, Jenkins |
| **Operating systems** | Windows, Linux, Unix |
| **IDE/Development tools** | Eclipse, RAD, NetBeans, TOAD |
| **Development Methodologies** | Agile & Waterfall, SCRUM, JIRA |
| **Version Controls** | Subversion (SVN), CVS, GitHub |

**PROFESSIONAL EXPERIENCE**

**Jet Blue Airways, Long Island,NY Jan 2022 – Present**

**Role: Java Full Stack developer**

**Responsibilities:**

* Contributed to the project's success by creating, testing, debugging, deploying, and managing a Java EE distributed application.
* Develop and maintain microservices architecture and RESTful APIs, following best practices and design patterns.
* Designed and implemented asynchronous messaging systems using JMS to facilitate communication between distributed applications.
* Developed JMS producers and consumers for publishing and consuming messages in various messaging domains.
* Configured and deployed JMS providers (e.g., ActiveMQ, RabbitMQ) in various environments, ensuring high availability and fault tolerance.
* Implement microservices architecture using Spring Boot and REST APIs, contributing to the scalability and modularity of applications.
* Utilize ORM frameworks like JPA/Hibernate for efficient data management and persistence.
* Containerize and orchestrate applications using Docker and Kubernetes, ensuring efficient deployment and management.
* Developed SQL queries, views, and functions to extract, transform, and analyze data from relational databases.
* Implemented data access layers using JDBC and Hibernate, leveraging features like connection pooling, transactions, and query languages (SQL, HQL, and Criteria API).
* Designed and implemented JPA entity models, mappings, and relationships to represent domain objects and persist data in relational databases.
* Optimized JPA entity mappings and queries for performance, addressing issues like N+1 select problems and inefficient data retrieval.
* Implement OAuth using Ping Identity for secure authentication and authorization.
* Design and develop relational database schemas and SQL queries for efficient data storage, retrieval, and manipulation within the application.
* Establish and maintain Continuous Integration and Continuous Deployment (CI/CD) pipelines using tools such as GitHub and AWS CodePipeline, enabling automated build, testing, and deployment processes for seamless software delivery.
* Developed and maintained Spring MVC-based web applications, implementing controllers, views, and models.
* Design and implement scalable and performant GraphQL server architectures using Node.js, Apollo Server, or other backend frameworks.
* Architect and develop robust GraphQL mutations for intricate data modification scenarios, handling input validation, error handling, and transaction management.
* Design and document GraphQL API schemas, adhering to GraphQL best practices and domain-driven design principles.
* Integrated Hibernate with Spring for object-relational mapping and data persistence.
* Designed and implemented Hibernate entity models, mappings, and relationships to represent domain objects and persist data in relational databases.
* Implement business logic and data access layers using frameworks like Spring, Spring Boot, and MyBatis
* Develop RESTful APIs and services using Java (JDK 1.8), Spring Framework, and Spring Boot
* Implement data persistence layers using JPA/Hibernate or Spring Repositories
* Design and develop Oracle/PL SQL database schemas and procedures.
* Implemented a messaging mechanism between micro services and APIs using Apache Kafka in a cluster.
* Collaborated with MongoDB and used SQL Developer to validate database data.
* Contributed to the development of Spring MVC-based Restful web services.
* Authored a TestNG-based test automation framework for REST APIs that query services.
* Developed and maintained RESTful APIs, implementing JSON-based data exchange and OAuth-based authentication and authorization mechanisms.

**Environment:** JDK 1.8, Spring boot, Apache Kafka, Postman, JavaScript, Web Services, MongoDB, Jenkins, POJO's, JAX-WS, Subversion, STS (Spring Tool Suite) 3.9.

**Amazon, Seattle, WA Sep 2019 – Dec 2021**

**Role: Java Developer**

**Responsibilities:**

* Lead the design and development of Java REST APIs and messaging components, ensuring adherence to best practices, performance, and scalability.
* Design and implement RESTful APIs for system integration.
* Implemented message routing, filtering, and transformation rules using JMS selectors and message headers.
* Integrated JMS with other enterprise systems, such as databases, web services, and batch processing frameworks.
* Implemented caching strategies, such as first-level and second-level caching, to improve application performance and reduce database load.
* Integrated JPA with other frameworks and technologies, such as Spring Data JPA, CDI, and RESTful web services, to build robust and scalable applications.
* Performed code reviews and ensured adherence to JPA best practices, coding standards, and data access patterns.
* Performed load testing and performance tuning of JMS messaging systems, optimizing message throughput and reducing latency.
* Maintained object relationship management (ORM) mapping files, used Hibernates caching method for data loading from the database, and built a transaction control layer.
* I worked on the struts tiles to dynamically build the JSP page and to develop reusable JSPs so that all the web pages would have the same view.
* Using the Angular JS MVC Framework and HTML to work with external user interfaces.
* Deployed the application to the server after compiling it using Maven and creating WAR files.
* Developed SQL scripts for data access, including operations on selecting, inserting, and deleting records, and creating joins across databases.
* Integrated NoSQL databases like MongoDB and Cassandra into applications, handling large-scale data storage and retrieval requirements.
* Mentored and trained junior developers on database concepts, SQL, NoSQL technologies, and ORM frameworks like Hibernate.
* Implemented Spring's dependency injection and aspect-oriented programming (AOP) to promote loose coupling and code reusability.
* Configured Spring Security for authentication, authorization, and secure data handling within web applications.
* Designed and implemented SOAP-based web services, using WSDL for defining service contracts and enabling interoperability between different platforms and programming languages.
* Integrated web services with various application components, such as user interfaces, databases, and messaging systems, ensuring seamless communication and data flow.
* Optimized Hibernate entity mappings and queries for performance, addressing issues like N+1 select problems and inefficient data retrieval.

**Environment:** Java, Spring boot, J2EE, JDK 1.8, JRE, JSP, Agile Methodology, Apache Maven, Eclipse Neon2, Squirrel SQL, RED HAT JBOSS, MVC framework, ORM framework, Junit, Jenkins, Web Service, HTML, Hibernate, Subversion SVN.

**Huntington Bank, Columbus, OH Mar 2017 – Aug 2019**

**Role: Java Full Stack Developer**

**Responsibilities:**

* Contributed to the application's analysis and design stages across the SDLC.
* Building user interface modules with CSS, JavaScript, HTML, and JSP.
* Developed monitoring and alerting mechanisms for JMS queues and topics to detect and resolve issues proactively.
* Mentored and trained junior developers on JMS concepts, best practices, and practical applications.
* Stayed up-to-date with the latest JMS specifications, updates, and industry trends related to message-oriented middleware.
* Developed utilities and libraries for common JPA operations, such as auditing, soft-delete, and multi-tenancy support.
* Implemented data migration and seeding strategies using JPA and database tools.
* Implement advanced GraphQL features like subscriptions, live queries, and caching strategies for real-time data updates and optimized performance.
* Collaborated with database administrators to design and optimize database schemas, indexes, and queries for efficient data storage and retrieval.
* Performed code reviews and ensured adherence to Spring MVC, Hibernate, and web development best practices, coding standards, and security guidelines.
* Mentored and trained junior developers on Spring MVC, Hibernate, and web application development concepts and best practices.
* Constructed object-oriented JavaScript to display client- and server-side validation transparently.
* Using the Spring MVC design pattern, I created and built an application.
* Created validation rules and used Spring validation.
* Maintained an emphasis on spring components like view resolvers, model and view objects, controllers, and dispatcher servlets.
* Contributed to the development of DAO by using Spring-Hibernate ORM.
* Utilized Hibernate, an object-relational-mapping (ORM) solution, to convert the data model from a model using model-view-controller (MVC) to one using an Oracle relational database and a SQL-based schema.
* Developing PL/SQL code for use with Oracle DBMS, including service methods and SQL queries.

**Environment:** JDK 1.5, Spring MVC 2.5, JSP, JSTL, JavaScript, EJB 3.0, Struts 1.2, Web Service, JPA/Hibernate 3.0, POJO's, CSS, log4j, JAX-WS, JBoss 4.0.3, Oracle 9i, Subversion, ANT, AJAX, Eclipse 3.2.

**First Bank, Saint Louis, MO Sep 2015 – Feb 2017**

**Role: Java Full Stack Developers**

**Responsibilities:**

* Involved in various phases of Software Development Life Cycle (SDLC) of the application like Requirement gathering, Design, Analysis and Code development.
* Developed the applications using Java, JSP, JDBC, Webservices, spring, HTML5, and JavaScript etc.
* Developed web components using MVC pattern under Spring framework.
* Developed Web Services using XML messages that use SOAP. Developed Web Services for Payment Transaction and Payment Release.
* Involved in designing and developing the front end of the application using JSP, Java script, AJAX, HTML5, DHTML, CSS3.
* Implemented and tested the enterprise application with jQuery and Spring MVC.
* Implemented a Microservices using a Microservices architecture with Spring Boot based services.
* Created and Implemented Micro Services using spring boot, REST, JSON.
* Used Java Mailing or Messaging Service (JMS) API's for mailing detailed notifications depending upon the success and failure once the backend process is complete and for mailing administrator of any system related problems.
* Involved in Unit testing of application using JUnit and built the package using Maven and deployed the application on to WebLogic App Server.
* Possesses an operational mindset to build a platform that is easy to run and scale to the broad breadth of NY state website and other state fair.
* Followed Agile/SCRUM software development methodologies.
* Extensively used Oracle SQL Developer graphical tool for the enhancement and simplification of Database Development task.
* Performed a thorough unit testing and resolved several data related issues before migration to production.

**Environment:** JDK 1.5, Spring MVC 2.5, JSP, JSTL, JavaScript, EJB 3.0, Struts 1.2, Web Service, JPA/Hibernate 3.0, POJO's, CSS, log4j, JAX-WS, JBoss 4.0.3, Oracle 9i, Subversion, ANT, AJAX, Eclipse 3.2.

**TCS/USAA, Chennai, INDIA July 2013 – Jan 2015**

**Role: Java Developer**

**Responsibilities:**

* Involved in all the phases of SDLC including Requirements Collection, Design & Analysis of the Customer Specifications and Development of the Application.
* Co-ordinated with the offshore team in various phases of application.
* Prepared the JUnit test cases, Integration scenarios to test the implementation.
* Used Reflection API to invoke the service class dynamically
* Used Spring IOC to get the dependencies and look up business objects.
* Documented APIs using tools like Swagger/OpenAPI, providing clear and comprehensive specifications for internal and external stakeholders.
* Implemented API monitoring, logging, and error handling mechanisms to ensure reliable and fault-tolerant web service operations.
* Mentored and trained junior developers on Agile/Scrum methodologies, RESTful API design, SOAP web services, and API development best practices.
* Stayed up-to-date with the latest trends and industry standards related to web services, API design, and Agile/Scrum practices.
* Developed authentication and access control services for the application using spring security and Spring LDAP.
* Worked on designing MQSeries based queues and MQ Workflow for enterprise messaging using JMS API.
* Used JMS to place the Import run requests into JMS Queue.
* Involved in implementation of compute grid job processing.
* Developed several web services using AXIS 2.0 engine, SOAP UI, JAX-RPC, WSDL, Document literal.
* Generated the WSDL files to implement the Web Service.
* Used JAX-B for marshalling/un-marshalling of XML documents to java objects and vice versa.
* Developed the application using RAD7.0 and deployed it on IBM WebSphere 6.0 Server.
* Resolved production issues while deploying the application and provided the production support while the application is in UAT.

**Environment:** Core Java, J2EE, JSP 1.2, Selenium, TestNG, WebSphere Application Server 7, Rational Application Developer 7.0, Web services, Hibernate, Windows 7, Spring 3.x, XML, HTML.