**Manohar Reddy**

**Full Stack Developer**

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**PROFESSIONAL SUMMARY**

* Senior Full Stack Developer with over 10 years of experience in designing and developing robust Java/J2EE applications, specializing in both desktop and distributed systems. Proficient in modern frameworks such as Angular 10, React JS, and Node.js, along with HTML5, CSS3, and JavaScript for creating dynamic user interfaces.
* Expert in leveraging the Spring Framework (Spring Boot, Spring Batch, Spring Security) and Hibernate for backend development, implementing RESTful web services, and utilizing JMS and Apache Kafka for effective messaging solutions.
* Skilled in cloud computing with extensive experience in AWS services, including EC2, S3, and serverless architecture using Lambda, SNS, and SQS. Experienced in hosting microservices on PCF and migrating applications to the cloud.
* Strong advocate of Agile methodologies, with a solid background in Test Driven Development (TDD) and automated testing using JUnit and Mockito. Adept at utilizing CI/CD pipelines, Docker, Kubernetes, and Terraform for efficient deployment and management of applications.
* Proficient in SQL and PL/SQL for database management, with a proven ability to design complex integration solutions and optimize data workflows. Recognized for strong problem-solving skills and the ability to deliver high-quality software solutions in fast-paced environments.

**TECHNICAL SKILLS**

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| --- | --- |
| **Languages** | C, C++, Java 21.0/17.0/11.0/8.0, Groovy, SQL, PL/SQL, Python. |
| **Mark-up/XML Technologies** | HTML5, CSS3, Bootstrap, JavaScript, jQuery, AngularJS, React JS NodeJS, XML, XSD, XSL/XSLT, SAX/DOM, DOJO, and JSON. |
| **Tools & Framework** | Struts, Spring, Hibernate, Spring MVC, Spring Web Flow, Spring IOC, AOP, Security, Spring Boot, JUnit, Apache CXF, SOAP UI, Google Web Toolkit, Tableau, Jersey, Fuse. |
| **Build Automation** | ANT, MAVEN, Jenkins, Gradle. |
| **Web services** | SOAP, RESTful, UDDI, WSDL, JAX-RPC, JAX-RS, JAX-WS, JAX-B, Microservices, Apache Axis, and Apache CFX. |
| **Cloud Technologies** | Amazon Web Services (EC2, SQS, RDS, IAM, S3), PCF, and Spring Cloud. |
| **Web/App Servers** | WebSphere, Apache, Apache Tomcat, JBOSS EAP, WebLogic Server, and Apache Camel |
| **Databases** | Oracle, SQL-Server, IBM DB2, NoSQL DB like MongoDB and Couch base, Cassandra. |
| **IDE tools** | Eclipse, Net Beans, Spring Tool Suite (STS) and IntelliJ IDEA, RAD, Adobe Dreamweaver. |
| **Testing Tools/ Others** | Selenium, JUnit, Rational Clear Quest, RTC, Load UI, and Mockito. |
| **Version Control** | Tortoise SVN, CVS, and GIT |
| **OS & Environment** | Windows, Win 2k Server, Sun Solaris, UNIX |
| **Design Patterns** | Singleton, Factory, MVC, Front Controller, and DAO pattern. |

**EDUCATION**

## Bachelors from Jawaharlal Nehru Technological University, India.

**Certification:**

**Java SE 17 Developer**

**Oracle Certified Professional**

[**https://catalog-education.oracle.com/pls/certview/sharebadge?id=99F9F28DC5946C4C3FACB85D920B753146DE2C10EF6D579AFC088B07D3F58B26**](https://catalog-education.oracle.com/pls/certview/sharebadge?id=99F9F28DC5946C4C3FACB85D920B753146DE2C10EF6D579AFC088B07D3F58B26)

**AWS Certified Developer – Associate**

**Credential:** <https://www.credly.com/badges/af0db574-e09e-497b-8d72-b30496ba32ff/email>

**PROFESSIONAL EXPERIENCE**

**Client: BNY Mellon, Pittsburgh, PA June 2023 to Current**

**Role: Application Engineer**

**Responsibilities**

* Involved in the analysis, design, and development phases of the SDLC using Agile (SCRUM) methodology for delivering regular updates to business teams.
* Implemented design patterns such as MVC, Singleton, Business Delegate, Factory, and Service Locator to enhance application architecture.
* Developed applications using Reactive Programming with Spring Boot, Java 11, Java 17, and React JS, incorporating features of Java 8 like lambda expressions.
* Utilized TypeScript's powerful type system to improve code documentation, catch errors early, and facilitate collaboration.
* Conducted comprehensive testing and debugging of TypeScript projects to ensure high performance and reliability.
* Upgraded applications from Monolithic Services (SOA) to Spring RESTFUL Microservices for improved scalability.
* Worked with MongoDB for document creation and management, enhancing data handling capabilities.
* Used the Spring Framework to develop web applications following the MVC design pattern, ensuring structured development.
* Deployed applications on Pivotal Cloud Foundry using Docker for effective microservices management.
* Implemented Single Sign-On (SSO) using ADFS and integrated with AWS SSO and Okta to manage access roles within the AWS infrastructure.
* Experienced with AWS technologies, including IAM, S3, Elastic Beanstalk, VPC, RDS, and CloudWatch, for optimized cloud resource management.
* Configured Docker for virtual environments and established CI/CD pipelines using Jenkins and AWS.
* Designed and developed front-end components with ReactJS, JSP, HTML5, and CSS3, creating interactive web pages using AJAX.
* Developed RESTful services for authentication using Spring Boot with embedded Tomcat for effective deployment.
* Utilized Hibernate for database connectivity and transaction management, implementing session-per-request patterns for efficient data access.

**Client: Fannie Mae, Herndon, Virginia Sep 2021 to May 2023**

**Role: Full Stack Developer**

**Responsibilities**

* Developed rich user interfaces for single-page applications (SPAs) using Angular 11, TypeScript, HTML, CSS, and Material framework, ensuring multi-browser compatibility.
* Designed and developed microservice components using Java, Spring Boot, and RESTful APIs, implementing authentication and authorization with Spring Security.
* Architected CI/CD pipelines with Azure DevOps, achieving 30% faster deployment cycles and reducing manual intervention by 50%.
* Proficient in developing efficient microservices using the Micronaut framework and integrating RESTful APIs, enhancing productivity and scalability.
* Implemented asynchronous processing with JMS, improving application responsiveness and overall system efficiency.
* Utilized Apache CXF to develop SOAP and RESTful web services, enhancing application architecture and scalability.
* Developed backend services with Spring Data JPA and Hibernate to fetch data from MySQL and wrote unit and integration tests using JUnit5 and Mockito.
* Managed code repositories and collaborated with team members using Bitbucket and GitLab, implementing Kafka for real-time data flow in microservices.
* Experience with Docker, Kubernetes, and Jenkins for CI/CD pipelines, deploying applications efficiently in cloud environments.

**Client:** **ShopRunner, Chicago, IL Feb 2020 to Aug 2021**

**Role: Full Stack Developer**

**Responsibilities**

* Utilized AGILE methodology and actively participated in Scrum meetings to deliver quality results on time.
* Developed reusable components and implemented routing mechanisms using React JS for faster application performance.
* Analyzed usage metrics and end-to-end events tracing within React JS for improved insights.
* Stored secured files in AWS object storage and retrieved them through APIs.
* Created UML diagrams, including Class, Sequence, and Activity Diagrams, based on business requirements.
* Designed dynamic client-side JavaScript code for web forms, page navigation, and validation processes.
* Transitioned AWS infrastructure from Elastic Beanstalk to Docker orchestrated with Kubernetes.
* Leveraged AWS Lambda for serverless computing and efficient code execution in the cloud.
* Implemented SASS and LESS for managing style values, enhancing code maintainability.
* Utilized Bootstrap for responsive web design, improving user experience across devices.
* Integrated Swagger UI with API management for interactive documentation and developer testing.
* Deployed Spring Boot microservices and Docker containers on AWS EC2 effectively.
* Managed TLS certificates to enhance security for Kafka and Apigee platforms.
* Utilized Angular 8 Router for navigation and developed SPAs with data binding and synchronization features.
* Applied Azure App Service and Azure SQL Database for application deployment and data management.

**Client: Well Care, Tampa, FL Jun 2018 to Jan 2020**

**Role: Full Stack Developer**

**Responsibilities**

* Designed Use Case, Class, Sequence, and Object Diagrams using IBM Rational Rose and RUP.
* Implemented the backend layer using Hibernate, integrating with the Oracle database for persistence.
* Developed the application front end with Java Server Faces (JSF) and implemented data validations.
* Created named HQL and Criteria queries for effective data retrieval in the application.
* Utilized Spring MVC with Hibernate for DAO implementation and RESTful Web Services for inter-module communication.
* Leveraged Spring container for managing data sources and efficiently loading Hibernate classes.
* Communicated between microservices using synchronous protocols like HTTP and REST for seamless integration.
* Developed RESTful web services using JAX-RS (Jersey) and processed JSON with JACKSON libraries.
* Deployed applications on Azure, facilitating effective data extraction from Azure cloud services.
* Designed and implemented messaging systems using RabbitMQ for reliable service communication.
* Employed Apache Kafka for building real-time data pipelines and distributed storage solutions.
* Configured ORM mapping in Hibernate for seamless integration of Java objects with backend database tables.
* Developed complex integration solutions using Fuse and Apache Camel for efficient data flow between systems.
* Created XML schemas and transformed XML using XSLT stylesheets for effective data interchange.
* Implemented design patterns such as DAO, DTO, and Singleton for improved code organization and maintainability.

**Client: Inter logic technologies, Greensboro NC. Nov 2016 to May 2018**

**Role: Full Stack Developer**

**Responsibilities**

* Developed the front end by doing hands-on coding using semantic markup, HTML, XHTML, CSS, JavaScript, and other front-end technologies as required by the program with a focus on usability.
* Designed Web pages in HTML and the query processing is done with the help of Servlets and JDBC.
* Implemented Multithreading for handling multiple requests and for high performance.
* Designed and developed the REST-based Web services using the Spring MVC, and Spring JDBC with Hibernate.
* Implemented the logic to publish the messages and consume them using the Apache Kafka messaging platform.
* Work with SQL queries to store the data in Oracle.
* Implemented monitoring and analytics for APIs, leveraging tools like Kibana, Grafana, or built-in features of the API Management platform, to gain insights into API usage and identify potential bottlenecks or issues.
* Worked with the development team to design solutions; implemented client-side JavaScript tracking code in JSP web application using s\_code.js code library.
* Designed and implemented applications using JSP, Spring MVC, Spring IOC, Spring Annotations, Spring Batch, Spring AOP, Hibernate, JMS, Oracle, and WebLogic server.
* Integrated Hibernate ORM framework with spring framework for data persistence and transaction management.
* Maintaining the business standards in EJB and deploying them in the WEBSPHERE 7 application server.
* Developed the data access layer components as entity Beans based on EJB API.
* Created Front end pages Using JSPs and handle the server-side logic in EJB 3.0 and Servlets
* Tested all major functionalities using JUnit and Power Mock.
* Demonstrated ability to leverage Groovy's dynamic features to streamline development and increase productivity.
* Involved in writing application-level code to interact with APIs, and Web Services using AJAX, JSON, and XML.
* Followed agile software development practice paired programming, test-driven development, and scrum status meetings.

**Client: Home Depot, Atlanta, GA Apr 2015 to Oct 2016**

**Role: Full Stack Developer**

**Responsibilities**

* Generated the WSDL files to implement the Web Service.
* Used JAX-B for marshaling/un-marshaling of XML documents to Java objects and vice versa.
* Developed the application using RAD7.0 and deployed it on IBM WebSphere 6.0 Server.
* Designed and Implemented User Interface (UI) for General information pages and administrator functionality.
* Pages and internal administration interface.
* Front-end design using JSP and business logic in Servlets.
* Analysis, design, and development of Applications using J2EE technologies like JSP, Servlets, and EJB.
* Developed the database and UI design for the web module.
* Code is developed in a Test-Driven Development approach (TDD).
* Proficient in utilizing Amazon Kinesis to ingest and process large volumes of streaming data in real time, enabling near-instantaneous analytics and insights.
* Expertise in containerization with Docker and orchestrating containers using Azure Kubernetes Service (AKS).
* Used Angular 2 JS to structure JavaScript code in an MVC and for responsive design of the application.
* Implemented design patterns like DAO, singleton, and factory to achieve design principles.
* Expertise in leveraging Groovy frameworks, particularly Grails, to develop web applications rapidly and efficiently.
* Proven track record of optimizing Java applications by introducing Groovy components to enhance productivity and reduce boilerplate code.
* Worked on Oracle DB and created Oracle DB PL/SQL Tables, Views, Stored Procedures, Triggers, and Functions.
* Developed EJBs, JSPs, and Java Components for the application using Eclipse.
* Implemented Struts framework in the presentation tier for all the essential control flow, business level validations, and for communicating with the business layer.
* Developed various helper classes needed following Core Java multithreaded programming and Collection classes.
* Worked on Oracle DB and created Oracle DB PL/SQL Tables, Views, Stored Procedures, Triggers, and Functions.

**Client: Tire Hub - Dunwoody, GA** **Oct 2013 to Mar 2015**

**Role: Java Developer**

**Responsibilities:**

* Used WSDL and SOAP for the development of XML-based applications.
* Used JAXB for XML marshaling and unmarshalling. Worked with Oracle 10g database.
* Used JDBC to persist Java Objects into the database.
* Proficient in using Groovy-based build tools like Gradle to automate the build and deployment process, improving project efficiency.
* Strong understanding of Groovy's integration with Java, enabling seamless interoperability with existing Java code and libraries.
* Experience with Groovy's testing frameworks, such as Spock, to write concise and readable unit tests for robust and reliable software.
* Involved in writing complex SQL queries and developed Stored Procedures to populate the database.
* Debugged Java classes used to modify web pages such as Business Objects and Data Access Objects.
* Involved in the creation of dynamic web pages with the use of JSP and HTML.
* Involved in daily scrum meetings and worked on the sprint tasks in Agile Scrum development.
* Used Servlets as an interface between the front and backend to handle HTTP requests and to send the response back to the front end.
* Utilized various utilities for User Interfaces like JSP, JSTL, JavaScript, HTML, CSS, jQuery, and Ajax.
* Implemented logging for the whole application using Log4j.
* Performed unit testing using IAM (Identity Access Management).
* and participated in integration testing.
* Maintained SVN repositories for branching, merging, and tagging.

**Client: IBing Software Solutions Private Limited Hyderabad Jun 2012 to Jun 2013**

**Role: Java Developer**

**Responsibilities**

* Developed UI screens using JSP, HTML, CSS, and JavaScript.
* Worked on JSP, Servlets, Struts framework, and production support issues of the existing applications.
* Development of Action Forms, Action Servlets, Action, and Validating Action Forms in Struts framework.
* Implemented Struts Dispatch Action class and form bean classes using struts framework.
* Client & server validations were handled using JavaScript & Struts validate plug-in.
* Worked on the JAVA Collections API for handling the data objects between the business layers and the front end.
* Implemented Multithreading for handling multiple requests and for high performance.
* Created many stored procedures and scheduled jobs to support our applications for creating reports for customers.
* Build and maintain SQL scripts, indexes, and complex queries for data analysis and extraction.
* Develop a business continuity plan for the SQL Server Databases using JDBC drivers.
* Used spring for Dependency Injection for plugging in the Hibernate DAO objects for the business layer.
* Created an XML configuration file for Hibernate to map to SQL DB.
* Developed web services for sending and getting data from different applications.
* Used JDBC to access the Oracle database for accessing customer information.
* Used ANT-built tool for compiling and generating war files.