**NITHISH REDDY V**

PH.NO: 945-289-5566

E-MAIL: [nithishreddy.v7@gmail.com](mailto:nithishreddy.v7@gmail.com)

With 3 years of experience in the banking, healthcare, and retail sectors, I excel as a Full Stack Java Developer, creating scalable web applications with Java, Spring Boot, React and Angular. My expertise includes building secure financial transaction systems, handling sensitive data in healthcare, and upgrading e-commerce platforms for retail. Employing Agile and DevOps methodologies. Dedicated to ongoing education, I am committed to continuous learning and applying my versatile skill set to tackle new challenge.

**SUMMARY:**

* Proficient in the full project lifecycle using Agile methodologies, employing JavaScript, HTML5, CSS, Angular, and jQuery for UI design, and ReactJS for dynamic component development.
* Advanced in dynamic UI functionalities with ReactJS, utilizing JSX, Virtual DOM, Redux, and lifecycle methods for efficient state and event management.
* Designed complex UI components and performed CRUD operations in Spring Boot, integrating Angular Material for a dynamic and user-friendly interface.
* Applied Singleton, Factory, and MVC design patterns to structure scalable applications, ensuring efficiency and maintainability.
* Managed data storage and optimization with Oracle SQL, PL/SQL, DynamoDB, MongoDB, and implemented JDBC for database connectivity and transaction management.
* Specialized in Azure cloud architecture, adept at leveraging Azure services for enhanced application performance and reliability, with a focus on modernizing infrastructure and optimizing cloud-based solutions.
* Utilized AWS cloud services (EC2, IAM, S3) for scalable infrastructure, alongside Terraform and Docker for robust monitoring and infrastructure management.
* Collaborated with product management and stakeholders to translate business requirements into technical solutions, ensuring alignment and promoting a shared vision within the project team.
* Showcased skill in applying JUnit and Mockito for testing, along with Jenkins and Git to drive continuous integration and source code management, enhancing CI/CD processes efficiently.
* Leveraged JSP, Struts framework, Java Collections API, and multithreading for web application development, with ANT for build and deployment processes.

**TECHNICAL SKILLS:**

**Programming Languages:** Java, JavaScript, TypeScript

**Front-End Technologies:** HTML5, CSS3, Angular, jQuery, ReactJS (including JSX, Virtual DOM, Redux), Angular Material

**Back-End Technologies:** Spring Boot, Struts Framework, JSP, Servlets

**Database Systems:** Oracle SQL, PL/SQL, DynamoDB, MongoDB

**Cloud Services:** AWS (EC2, IAM, S3, CloudWatch, SNS, SQS), Azure (Azure Functions)

**DevOps Tools:** Terraform, Docker, Jenkins, Git

**Version Control Systems:** SVN, Azure DevOps

**Testing Frameworks:** JUnit, Mockito

**Build and Dependency Management:** Maven, ANT

**Other Technologies:** Java Collections API, Multithreading, Web Services (RESTful services, JSON), JMS, DAO

**WORK EXPERIENCE**

**Job Role: Full Stack Developer Date: JAN 2024- Present**

**Project Name:**

* Engaged in the entire project lifecycle, from design through implementation to unit testing, employing agile methodologies for sprint planning and daily progress updates.
* Engineered Maven build processes for compiling and deploying Spring Boot microservices, facilitating their distribution to an in-house Docker registry within the enterprise framework.
* Experienced in working with ORM tools like Hibernate and using JPA (Java Persistence API) frameworks and APIs.
* Designed user interfaces with a blend of technologies including JavaScript, HTML5, ReactJS, and jQuery, while also building reusable service components using ReactJS, jQuery, HTML, CSS.
* Developed dynamic ReactJS components for UI functionality, using advanced features such as JSX, Virtual DOM, Redux, and lifecycle methods to manage state and events.
* Managed data storage and retrieval through relational and non-relational databases, using Oracle SQL, PL/SQL, DynamoDB, and MongoDB, and optimized queries for performance.
* Implemented monitoring and infrastructure management using Terraform and Docker, ensuring reliable and efficient application deployments.
* Leveraged Apache Kafka for scalable data streaming, enhancing distributed system performance and reliability, as recognized by project outcomes.
* Applied JUnit for Java backend validation, and Jest for front-end React testing, significantly improving software quality and user satisfaction.
* Leveraged AWS cloud services, including EC2, IAM, and S3, for scalable cloud infrastructure and storage solutions.
* Utilized version control with GIT and facilitated agile project management and sprint planning through Azure DevOps, enhancing team collaboration and project tracking.

**Environment:** Java 8, jQuery, Hibernate, ReactJS, SQL, Restful web services, JSON, SVN, Java script, Redux**.**

**Job Role: Software Developer Date: JAN 2022-DEC 2022**

**Project Name:**

* Developed a Single Page Application as part of an Agile (Scrum) team, utilizing Angular for the frontend, Spring Boot for the backend, and Oracle for database management.
* Specialized in Spring JDBC for robust database interactions, optimizing data access and manipulation within Spring-based applications for enhanced performance and reliability.
* Applied various design patterns including Singleton, Factory, and MVC to structure efficient and scalable applications.
* Employed Maven for dependency management and project builds, streamlining the development process.
* Designed and implemented robust web functionalities, including CRUD operations in Spring Boot and complex UI components with modern JavaScript features, complemented by Angular Material for dynamic user interfaces.
* Engineered database interactions with Oracle, mapping tables to POJO classes and establishing relationships using annotations.
* Improved application aesthetics and usability using CSS and Angular Material, incorporating elements like tabs, tables, and drop-down menus for a seamless user experience.
* Secured and managed application routing and component accessibility with Angular Router and Guards, ensuring controlled navigation and data protection.
* Integrated AWS services, including S3 for storage and CloudWatch with SNS for application monitoring and notifications, alongside Amazon SQS for asynchronous messaging between microservices.
* Leveraged JUnit and Mockito for backend testing, Jenkins for CI/CD automation, and Git for version control, enhancing code quality and deployment efficiency.

**Environment:** Java, Spring Boot, Angular, Junit, Maven, HTML5, CSS3, JavaScript, ES6, Junit, Mockito, Visual Studio Code, IntelliJ, Git, Postman

**Job Role: Java Developer Date: AUG 2020-DEC2021**

**Project Name:**

* Integrated Spring Framework for dependency injection to streamline Hibernate DAO implementation in the business layer, coupled with Hibernate for ORM mapping and transaction management.
* Developed robust web applications with the Struts framework, including creating Action Forms and Servlets, and managing server and client-side validations using Struts and JavaScript.
* Utilized JAVA Collections API and multithreading to manage data efficiently and improve application performance through concurrent processing.
* Created and maintained SQL stored procedures, complex queries, and scheduled jobs for data analysis, reporting, and database support.
* Formulated a business continuity strategy for SQL Server databases and employed JDBC for database connectivity, ensuring reliable data access and manipulation.
* Expertise in leveraging Microsoft Azure Cloud platforms, including Azure Web Apps, Azure SQL Database, Azure Blob Storage, and Azure Functions.

**Environment:** Core Java, HTML, CSS, J2EE, JSP, HTML, JavaScript, Servlets, JMS, Hibernate, JDBC, SQL, DAO, Web Services, Oracle, ANT.

**Course work Projects (University of Central Missouri):**

**Project 1: Online Movie Ticket Booking (Jan-AUG 2023)**

The Online Movie Ticket Booking platform is a complex Java-based web application, designed to offer the same services as a cinema's website. Now, it's upgraded to include AWS cloud services and uses MongoDB for its database. This project was created for a course called "Advance Database system" at my university. It showcases a deep understanding of how modern web applications are built using three-tier architecture, server technologies, and cloud infrastructure.

**Project 2: Covid 19-cases prediction (AUG-DEC 2024)**

Creating a COVID-19 case prediction project using Java and Azure involves building a Java-based backend, likely with Spring Boot, to manage and analyze data. This backend connects to an Azure-hosted database for storing historical COVID-19 case data. This project was created for a course called " Artificial Intelligence" at my university. Machine learning algorithms, potentially leveraging Azure AI services, predict future case trends. The project integrates these components into a full-stack application, deploying it on Azure for global accessibility.

**Educational Details:**

Master’s in Computer Science ( **University of Central Missouri, Missouri)**

Bachelor’s in Computer Science (**Jawaharlal Nehru technological University, Hyderabad)**