**NITHISH REDDY**

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**PROFESSIONAL SUMMARY:**

A Proven track record of success in Java Full Stack Developer with over 3 years of experience spanning banking, healthcare, logistics, and transportation sectors. Recognized for expertise in engineering scalable, secure web applications utilizing Java, Spring Boot, React, Angular, AWS, and Azure. Proven track record in creating critical financial transaction systems, managing sensitive healthcare data, and revitalizing e-commerce platforms within Agile development life cycle. Known for expert problem solver in translating complex business requirements into scalable technical solutions. Demonstrates adaptability and thrives in diverse development settings. Strong communication skills coupled with a collaborative spirit and a commitment to excellence make me a valuable asset to any forward-thinking development team.

**TECHNICAL SKILLS:**

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| **Programming Languages** | Java, C, C++, C#, Python, JavaScript, TypeScript |
| **Front-End Technologies** | HTML5, CSS3, Angular, jQuery, ReactJS (JSX, Virtual DOM, Redux) |
| **Back-End Technologies** | JDBC, Spring Boot, Struts Framework, JSP, Servlets, Hibernate |
| **Database Systems** | Oracle SQL, PL/SQL, DynamoDB, MongoDB |
| **Cloud Services** | AWS (EC2, IAM, S3, CloudWatch, SNS, SQS), Azure (Azure Functions) |
| **DevOps Tools** | SVN, Azure DevOps, Terraform, Docker, Jenkins |
| **Version Control Systems** | GIT |
| **Testing Frameworks** | JUnit, Mockito |
| **Build and Dependency Managements** | Maven, ANT |
| **Other Technologies:** | Java Collections API, Multithreading, Kubernetes, Web Services (RESTful services, JSON), JMS, DAO, TDD, BDD, Java IDE, J2EE, jQuery, Agile, Node.js, Scrum. |

**WORK EXPERIENCE**

**Job Role: Full Stack Developer Jan 2024 – Present**

**Client Name: RL Carriers**

* 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 micro-services, 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.
* Directed data storage and retrieval through relational and non-relational databases, using Oracle SQL, PL/SQL, DynamoDB, and MongoDB, and optimized queries for performance.
* Architected RESTful APIs with Node.js and Express.js, implementing JWT authentication and MongoDB integration.
* 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.
* Implemented CI/CD pipelines using OpenShift tools to automate deployment processes.
* Collaborated with cross-functional teams to define, design, and ship new features.
* Utilized version control with GIT and facilitated agile project management and sprint planning through Azure DevOps, enhancing team collaboration and project tracking.

**Environment:** Java, jQuery, Hibernate, ReactJS, SQL, Restful web services, JSX, AWS, Java script, Redux**.**

**Job Role: Software Developer Aug 2022 – Dec 2022**

**Client Name: DATADOT Software Solutions**

* 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.
* Architected and integrated comprehensive web features leveraging Spring Boot for backend processes and Angular Material for sophisticated UI elements, boosting application performance and reducing user interaction latency by 30%.
* Improved application aesthetics and usability using CSS and Angular Material, incorporating elements like tabs, tables, and drop-down menus for a seamless user experience.
* Proficient in database management and development using PostgreSQL and Microsoft SQL Server, optimizing SQL queries and stored procedures to enhance application performance and scalability in Java-based full-stack environments.
* Integrated AWS services, including S3 for storage and CloudWatch with SNS for application monitoring and notifications, alongside Amazon SQS for asynchronous messaging between micro-services.
* Improved backend testing precision by 40% using JUnit and Mockito, streamlined CI/CD pipelines via Jenkins and maintained seamless version control with Git, enhancing deployment efficiency by 25%.

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

**Job Role: Java Developer Jan 2022 – Jul 2022**

**Client Name: DATADOT Software Solutions**

* Innovated 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.
* Explored Kubernetes concepts such as pods, deployments, services, and ingress controllers to enhance application scalability and availability.
* Formulated a business continuity strategy for SQL Server databases and employed JDBC for database connectivity, ensuring reliable data access and manipulation.

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

**Job Role: Java Developer Jan 2021 – Dec 2021**

**Client Name: CSC**

* Built the website's look using HTML and JSP, making sure it checks user information correctly with JavaScript.
* Set up and managed the website's database through JDBC, allowing for smooth data storage and retrieval.
* Deployed microservices architecture using Node.js.
* Leveraged Maven for automatic updates and management of necessary website components, including libraries like commons-collections and commons-logging from Apache, ensuring the site always uses the latest tools.
* Expertise in leveraging Microsoft Azure Cloud platforms, including Azure Web Apps, Azure SQL Database, Azure Blob Storage, and Azure Functions.
* Ensured smooth operation by integrating and deploying the website's request-handling and page-rendering components on the WebLogic Application Server, maintaining optimal performance and user experience.

**Environment:** Java, J2EE, JSP, Servlets, JavaScript, Ajax, Struts, Spring, Hibernate, SQL/PLSQL, Web Services, Azure, SOAP, JUnit, Oracle, HTML, and Windows.

**ACADEMIC PROJECTS:**

**Online Movie Ticket Booking Jan 2023 – Apr 2023**

* Used a three-tier architecture to improve scalability and maintainability, employing C#, AWS, and MongoDB.
* Completed this project for the "Advanced Database System" course, applying theoretical concepts to a practical task.

**Tools:** C#, AWS, MongoDB.

**Covid 19-cases prediction Apr 2023 – Jul 2023**

* Created a Python project to predict COVID-19 cases using Flask and Azure databases.
* Built a full-stack AI course application, combining data analysis with Python backend development.

**Tools:** Python, Flask, Azure (for hosting and AI services), Azure-hosted databases.

**Online Shopping Platform Aug 2023 – Dec 2023**

* Used MongoDB for handling data, and Java for both front-end and back-end development, keeping the user interface, business operations, and database separate and organized.
* Presented ability in using Java for the whole system, planning databases with MongoDB, and using a three-tier system to organize it all.

**Tools:** Java, JavaScript, MongoDB.

**Weather Application Apr 2021 – Jul 2021**

* Established a C++ Weather Application using OpenWeatherMap for live weather data and JSON for data structuring. Developed the desktop version with a C++ GUI toolkit and the online version with a C++ web framework.
* Added robust error handling and user input validation to maintain application stability and reliability.

**Tools:** C++, OpenWeatherMap API, JSON, C++ GUI toolkit, C++ web framework.

**Recipe Sharing Platform Jan 2021 – Apr 2021**

* Constructed the front-end web application with JavaScript Frameworks and developed back-end with java.
* Designed business logic based on RESTful routing and Controlled CRUD operations with MongoDB.

**Tools:** JavaScript framework, Java, RESTful API, MongoDB, JavaScript middleware.

**EDUCATIONAL DETAILS:**

* Master’s In computer science, 2024 (**University of Central Missouri, Missouri)**
* Bachelor’s In computer science, 2022 (**Jawaharlal Nehru technological University, Hyderabad)**