**NAVEEN REDDY
SENIOR FULL STACK DEVELOPER**

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**PROFESSIONAL SUMMARY:**

* Over **10 years** of proven success in delivering complex, enterprise-grade applications using **Java**, **Spring Boot**, **ReactJS**, **Angular**, and cloud platforms like **AWS** and **Azure**. Expertise lies in architecting **scalable microservices** that promote modularity, maintainability, and rapid deployment.
* Deep involvement in **Agile Scrum** practices leading sprint planning, retrospectives, and ensuring CI/CD excellence using **Jenkins** and **Azure DevOps**. Frontend responsibilities include building rich, high-performance UIs with **ReactJS**, **Redux**, **hooks**, and **Angular**, along with test coverage using **Jest**, **Jasmine**, **Karma**, and **React Testing Library**.
* Strong command over **HTML5**, **CSS3**, **SCSS**, and **JavaScript** for developing responsive, mobile-friendly interfaces with a keen eye for pixel perfection, closely collaborating with UX/UI teams.
* Backend services built with **Java**, **Spring MVC**, **Spring Boot**, and **Spring Security**, incorporating clean architecture and secure endpoints. Experienced in **RESTful API** development covering versioning, error handling, Swagger-based documentation, and validation best practices.
* Worked extensively with both **relational databases** like **Oracle**, **MySQL**, **PostgreSQL** and **NoSQL** systems such as **MongoDB** and **Cassandra**, with performance tuning, schema modeling, and replication strategies.
* Designed containerized deployments using **Docker** and **Kubernetes**, leveraging **Helm**, config maps, and secrets for seamless orchestration. Implemented **DevSecOps** pipelines integrating **SonarQube** and security scanners for compliance enforcement.
* Hands-on experience across **AWS services** **EC2**, **Lambda**, **S3**, **RDS**, **API Gateway**, **CloudWatch**, **IAM**—and **Azure services** like **AKS**, **App Services**, **Blob Storage**, **Azure SQL**, and **Application Insights**.
* Skilled in **event-driven** and **asynchronous architectures**, utilizing **Kafka** and **RabbitMQ** to decouple services and enhance throughput. Infrastructure provisioning handled via **Terraform** and **CloudFormation** for reproducible, scalable environments.
* Security implementation includes **OAuth2**, **JWT**, **RBAC**, **HTTPS**, and centralized config/security via **Spring Cloud Config** and **AWS Secrets Manager**.
* Instrumental in modernizing legacy systems refactoring monolithic **Java** codebases and integrating **C#** modules into modern microservices. Advocates for clean code using **SOLID**, **DRY**, and **KISS** principles while mentoring junior engineers and driving collaborative development through **Git**, **GitHub**, and multibranch **Jenkins pipelines**.
* Regular engagement with cross-functional stakeholders ensures business alignment, timely delivery, and production stability.

**TECHNICAL SKILLS:**

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| **Programing Language** | Python, Java, C#, SQL, |
| **Backend Development** | Java (SpringBoot, Spring MVC, Hibernate), Python, C#, Node.js, Microservices, RESTful Web Services, Spring Caching, Spring Web MVC |
| **Frontend Development** | ReactJS, Redux, Angular, AngularJS, HTML5, CSS3, JavaScript, TypeScript, React Router, UI/UX Design, Responsive Web Design, Web Accessibility |
| **Database Management** | Oracle, SQL, MongoDB, Cassandra, NoSQL, Redis, EhCache, AWS RDS, Database Design & Management, Caching Solutions |
| **Cloud & Infrastructure** | AWS, Azure  |
| **DevOps & CI/CD** | Jenkins, Jenkins Pipelines, Multi-Branch Pipelines, Git, GitHub, GitLab, CI/CD Automation, Docker, Kubernetes, CloudFormation, Terraform |
| **Agile Methodologies** | Agile Scrum, Waterfall, Sprint Planning, Retrospectives, Kanban, JIRA, Test-Driven Development (TDD), Continuous Integration |
| **Automation & Testing** | Automated Testing, Selenium, JUnit, Test-Driven Development (TDD), Jenkins, Integration Testing, Unit Testing, Code Quality, SonarQube |
| **Data Integration & Communication** | API Integration, JSON, XML, RESTful APIs, API Versioning, Data Synchronization, Distributed Systems, Event-Driven Architecture |

**PROFESSIONAL EXPERIENCE:**

**Client:** **Genworth, Richmond, VA June 2022 - Present**

**Role: Senior Java Full Stack Developer**

**Responsibilities:**

* **Integrated third-party APIs and services using RESTful web services to enhance application functionality, streamline operations, and reduce development time.**
* **Applied Test-Driven Development (TDD) practices using JUnit and Mockito, ensuring high code coverage and reducing bugs in production releases.**
* **Built responsive UI components using TypeScript and React, enabling strong type-checking and better developer tooling for scalable front-end development.**
* **Utilized Redux for global state management in complex React applications, maintaining predictable and maintainable application state.**
* **Developed custom hooks in React to abstract logic and promote reusability, improving code maintainability and reducing duplication.**
* **Employed asynchronous programming with Promises and async/await in JavaScript and TypeScript to handle API calls and background operations efficiently.**
* **Implemented lazy loading and code splitting in React applications to reduce initial load time and enhance performance.**
* **Created custom error handling and fallback UI using React Error Boundaries to improve fault tolerance in front-end applications.**
* **Designed REST API documentation using Swagger/OpenAPI, enabling easier API consumption and better developer collaboration.**
* **Adopted Domain-Driven Design (DDD) principles in Java backend development to align software design with business needs and improve modularity.**
* **Utilized Spring Data JPA and Hibernate for ORM, simplifying database interactions and reducing boilerplate SQL code.**
* **Built scheduled background jobs and batch processing using Spring Batch for data synchronization, cleanup, and reporting operations.**
* **Managed environment-specific configurations using Spring Profiles and externalized properties for seamless deployment across development, staging, and production.**
* **Configured and managed application logs using Logback and SLF4J for real-time monitoring, debugging, and auditing.**
* **Performed code reviews and conducted peer programming sessions to maintain code quality and mentor junior developers.**
* **Created stored procedures, views, and triggers in SQL databases like PostgreSQL and MySQL to encapsulate business logic at the database level.**
* **Designed indexes and optimized SQL queries for high-performance data access and reduced execution time.**
* **Employed role-based access control (RBAC) and JWT (JSON Web Tokens) for secure, stateless authentication in REST APIs.**
* **Set up monitoring and alerting using tools like Prometheus and Grafana to track application health and resource utilization in production.**
* **Used SonarQube to ensure static code analysis and enforce coding standards, security checks, and maintainability across the codebase.**
* **Containerized microservices with Docker Compose for local development and multi-container orchestration, enabling efficient microservices testing.**
* **Leveraged AWS IAM policies and roles to securely manage access to cloud resources across environments.**

**Environment:** Agile Scrum, Microservices Architecture, Java SpringBoot, RESTful APIs, React Router, React.js, React Hooks, HTML5, CSS3, Flexbox, CSS Grid, Responsive Design, Spring Framework, NoSQL Databases, MongoDB, Cassandra, Jenkins CI/CD, JUnit, Selenium, SonarQube, Docker, AWS EC2, AWS S3, AWS Lambda, AWS RDS.

**Client: 7-Eleven, Irving, TX July 2019 – May 2022**

**Role: Java Full Stack Developer**

**Responsibilities:**

* Collaborated with cross-functional teams including UI/UX designers, QA testers, and DevOps engineers to deliver integrated, user-centered Java full stack solutions.
* Conducted performance tuning of Java-based microservices by profiling memory usage, identifying bottlenecks, and optimizing GC settings.
* Utilized Spring Boot Actuator for application monitoring and exposing metrics, inventory checks, and other production-ready endpoints.
* Created and maintained Angular services to handle data transactions between UI components and backend APIs, ensuring efficient and clean architecture.
* Used Angular Forms (template-driven and reactive) to build dynamic, data-driven form interfaces with built-in validation.
* Built unit tests in Jasmine and Karma for Angular components and services, ensuring high front-end test coverage and application stability.
* Implemented OAuth2 and JWT-based authentication mechanisms in Spring Security to secure RESTful endpoints and manage sessionless authorization.
* Utilized ModelMapper and MapStruct for converting DTOs to entity models and vice versa, reducing boilerplate mapping code in Java applications.
* Wrote Liquibase scripts for version-controlled database migrations in Oracle and PostgreSQL, enabling seamless updates across environments.
* Applied Agile principles even in hybrid Waterfall environments to deliver critical Java features iteratively where feasible, improving responsiveness to change.
* Configured reverse proxies and load balancing using NGINX for Angular front-end and Java backend services, enhancing system reliability and scalability.
* Optimized Angular bundle sizes by enabling Ahead-of-Time (AOT) compilation and tree-shaking, resulting in faster load times and improved performance.
* Implemented REST API versioning strategies to support backward compatibility while introducing new features in Java microservices.
* Integrated logging and tracing using ELK stack (Elasticsearch, Logstash, Kibana) for centralized monitoring of microservices in Kubernetes environments.
* Created Helm charts to package and deploy Java microservices consistently across development, staging, and production Kubernetes clusters.
* Utilized Azure DevOps Pipelines for CI/CD of Java and Angular applications, streamlining deployments with automated build and release processes.
* Managed secure configuration and secrets in Azure using Key Vault, integrating with Spring Boot and Kubernetes to maintain best security practices.
* Enabled cross-origin resource sharing (CORS) configurations in Spring Boot to allow Angular applications hosted on different domains to access Java APIs.

**Environment:** Waterfall, Microservices, SpringBoot, Angular, AngularJS, RESTful APIs, Redis, EhCache, Spring Caching, Oracle, Jenkins, Kubernetes, Azure, Azure DevOps, Performance Tuning, C# Refactoring

**Client:** **Medanta, Gurgaon, India Oct 2016 – Jun 2019**

**Role: Java Developer**

**Responsibilities:**

* Integrated Swagger UI with Spring Boot applications for API documentation and testing, enabling faster onboarding for developers and improved API transparency.
* Utilized Webpack and Babel in ReactJS projects to optimize bundling, support modern JavaScript features, and enhance build performance.
* Configured Cross-Origin Resource Sharing (CORS) policies in Spring Boot to enable secure communication between React front-end and Java back-end APIs.
* Conducted root cause analysis for production issues using logging tools and APM (Application Performance Monitoring) tools such as New Relic and Dynatrace, minimizing downtime.
* Created and maintained infrastructure using AWS CloudFormation and Terraform for reproducible, scalable deployments across multiple environments.
* Configured automated alerts and monitoring using Amazon CloudWatch for real-time tracking of application logs, performance metrics, and anomalies.
* Implemented role-based and attribute-based access control (RBAC and ABAC) for RESTful APIs using Spring Security and OAuth2, improving application security.
* Built interactive dashboards with React and charting libraries (e.g., Chart.js, Recharts) to visualize real-time analytics and operational metrics.
* Automated nightly batch jobs and data pipelines using Python and AWS Step Functions, optimizing ETL processes and report generation.
* Established Git branching strategies (e.g., Git Flow) and enforced PR (pull request) policies to streamline collaborative development and maintain code integrity.
* Refactored legacy Java codebases to adopt modern design patterns, improve modularity, and increase maintainability for future enhancements.
* Configured environment-specific variables and secrets using Spring Cloud Config and AWS Systems Manager Parameter Store, improving configuration security and flexibility.
* Created shell and Python scripts to automate Jenkins job creation, artifact cleanup, and environment provisioning tasks.
* Worked with product owners and stakeholders to translate business requirements into user stories, acceptance criteria, and technical tasks under the Agile framework.
* Led sprint retrospectives and implemented continuous improvement feedback loops, resulting in enhanced team collaboration, velocity, and project outcomes.

**Environment:** Agile Scrum, Automated Testing, CI/CD, Microservices, React, Redux, Redis, Spring MVC, REST APIs, NoSQL, Jenkins, Docker, AWS, Python, Security Audits, Serverless Computing, Data Processing.

**Client:** **Marico, Mumbai, India Sep 2014 – Sep 2016**

**Role: Java/ J2EE Developer**

**Responsibilities:**

* Enabled blue-green and canary deployments using Azure DevOps and Kubernetes, ensuring seamless rollouts with minimal user impact and rapid rollback in case of issues.
* Designed RESTful API error-handling standards using proper HTTP status codes and custom exception handling in Spring Boot to improve debugging and client interaction.
* Developed shared Angular libraries and modules to reuse components, directives, and services across multiple projects, promoting modularity and consistency.
* Performed database indexing and query optimization on Oracle to reduce response times and improve backend performance for large-scale enterprise applications.
* Utilized Azure Monitor and Application Insights for real-time observability of deployed Java applications, improving operational awareness and troubleshooting efficiency.
* Built custom validation frameworks in Angular using Reactive Forms, improving form input reliability and reducing user-side errors.
* Managed cross-team dependencies and risks using structured documentation and change control processes in Waterfall projects to ensure timely delivery.
* Utilized Spring Boot with asynchronous request handling to improve the scalability of high-traffic APIs.
* Created and maintained Helm-based deployment templates for deploying Java microservices on Kubernetes, streamlining CI/CD workflows.
* Secured Kubernetes clusters using RBAC policies, network policies, and secret management integrations, protecting Java services from unauthorized access.
* Implemented CI/CD governance practices, including audit logging, artifact traceability, and approval gates in Azure DevOps pipelines.
* Participated in security reviews and applied OWASP best practices to both Java backend and Angular frontend to safeguard against common vulnerabilities such as XSS and SQL injection.

**Environment:** Waterfall, Microservices, Angular, AngularJS, HTML, CSS, UX/UI, Spring, Unit Testing, Integration Testing, REST API Versioning, Oracle RAC, Jenkins, Kubernetes, Azure App Services, DevOps.

**EDUCATION:**

BTech in Computer Science and Engineering, Aug 2010 - May 2014 at LPU, India