

**Sai Suraj Nuthanakalva**  
**Full Stack Java Developer**  
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#### **Professional Summary:**

- Over 8 years of experience as a Java developer, working on the full lifecycle of client/server and enterprise applications, from gathering requirements through design, development, deployment, and ongoing maintenance.
- Strong background in developing n-tier applications using Java, J2EE, Spring Boot, Spring, Hibernate, and web technologies like JavaScript, HTML/HTML5, and CSS/CSS3.
- Hands-on experience building and maintaining Microservices with Spring Boot, allowing for modular and scalable application architecture.
- Skilled in frontend development with JavaScript frameworks, particularly React.js and Angular JS, and building responsive, modern web applications using HTML5 and CSS3.
- Solid understanding of core Java concepts like object-oriented programming (OOP), Collections, Exception Handling, I/O systems, Multithreading, Concurrency, Lambda expressions, and Generics.
- Proficient in working with relational databases like Oracle, MySQL, and SQL Server, including writing complex SQL queries and PL/SQL procedures for optimized performance.
- Experience with NoSQL databases such as MongoDB and integrating message brokers like RabbitMQ and Kafka to support asynchronous communication in distributed systems.
- Hands-on knowledge of AWS services like EC2, S3, SimpleDB, CloudWatch, and SNS, with experience deploying Java applications in scalable cloud environments.
- Familiar with CI/CD pipelines using Jenkins, Docker, and Kubernetes to automate build, test, and deployment processes.
- Experience with Docker for containerization and Kubernetes for managing containerized applications, ensuring smooth deployments and scaling in production.
- Proficient in version control systems like Git and SVN, with practical experience using GitHub for collaboration and managing repositories.
- Experience with writing unit tests, integration tests, and performance tests using tools like JUnit, Mockito, and Selenium, following Test-Driven Development (TDD) practices.
- Strong in application performance tuning and code optimization, ensuring the systems I build are efficient and scalable.
- Comfortable working in Agile teams, using Scrum, XP, and other methodologies to ensure continuous integration and frequent releases.
- A collaborative team player with solid communication skills and a passion for delivering high-quality solutions.

#### **Education:**

Bachelor of Computer Science & Technology.

#### **Technical Skills:**

#### **Professional Experience:**

**Client: company 5**  
**Role: Sr. Full-stack Java Developer/ AWS Software Engineer**

**Aug 2018 – Till Date**

**Description:** Developed and maintained responsive web applications using Node.js, React/Redux, and Spring MVC, integrating with AWS cloud services and MySQL/Oracle databases. Designed RESTful APIs, implemented CI/CD pipelines with Jenkins, and ensured secure, scalable infrastructure with AWS and Terraform, while adhering to Agile methodologies and test-driven development.

**Responsibilities:**

- Developed responsive front-end applications using Node.js, Backbone.js, jQuery, Knockout.js, HTML5, CSS3, and LESS/SASS, optimizing for mobile and desktop resolutions.
- Built and maintained web applications with React/Redux, ensuring dynamic and interactive user interfaces following modern UI/UX practices.
- Implemented backend functionality using Java, Spring MVC, JDBC, and Hibernate, including handling Java Collections, Multithreading, and Exception Handling.
- Designed and developed RESTful APIs using Jersey, ensuring secure and reliable client-server communication for backend services.
- Managed database interactions with MySQL and Oracle, writing PL/SQL stored procedures and functions for efficient data access and business logic execution.
- Integrated MongoDB and RabbitMQ for handling asynchronous message queues and real-time data processing in highly scalable applications.
- Configured and managed cloud infrastructures using AWS, including EC2, S3, VPC, Elastic Beanstalk, CloudFront, and Lambda for event-driven workflows.
- Implemented secure AWS solutions with Security Groups to control traffic flow and enhance the security of cloud resources.
- Automated deployment and infrastructure provisioning using Chef and Terraform, ensuring smooth deployment across multiple AWS services.
- Deployed applications into CI/CD pipelines using Jenkins, automating build, testing, and deployment workflows to streamline development cycles.
- Utilized Git for version control and collaborated with teams through GitHub, ensuring consistent code management and peer reviews.
- Wrote unit tests and integration tests using JUnit and Mockito, adhering to Test-Driven Development (TDD) practices to ensure code reliability.
- Participated in Agile/Scrum methodologies, attending daily standups and sprint planning to ensure timely delivery of project milestones.
- Conducted system analysis and performance tuning, resolving JVM memory issues and optimizing the codebase for scalability and performance.
- Implemented logging using Log4j for monitoring application performance, error handling, and debugging purposes.

**Environment:** Java, Spring MVC, Node.js, React, Redux, HTML5, CSS3, LESS/SASS, Backbone.js, jQuery, Hibernate, MySQL, Oracle, MongoDB, RabbitMQ, AWS (EC2, S3, VPC, Lambda, Elastic Beanstalk, CloudFront), Terraform, Chef, Jenkins, Git, GitHub, JUnit, Mockito, Log4j, JIRA.

**Client:** company 4

**Dec2012-Feb2014**

**Role:** Full stack Java Developer

**Description:** Developed and deployed a microservices-based application using Spring Boot and AWS, focusing on backend development with MySQL, RESTful services, and containerization. Actively contributed to the entire SDLC while implementing CI/CD pipelines with Jenkins and test automation with JUnit and Selenium.

## Responsibilities:

- Actively engaged in all phases of the Software Development Life Cycle (SDLC), including requirement gathering, design, development, testing, deployment, and maintenance, adhering to Agile Scrum methodologies.
- Participated in daily Scrum meetings, sprint planning, and retrospective activities, ensuring alignment with project goals and timelines.
- Utilized J2EE technologies, leveraging Spring 4.0, Spring MVC, and Spring Core Annotations for Dependency Injection (DI), with the application developed using Spring Boot features.
- Designed and developed database schemas and stored procedures using MySQL, ensuring efficient data management and performance.
- Developed microservices architecture using Spring Boot, REST, and Apache Kafka, deploying the application on Amazon Web Services (AWS) for scalability and high availability.
- Extensively used core Java features such as the Collections Framework, Exception Handling, I/O System, Multithreading, and JDBC to ensure robust backend development.
- Leveraged Java 8 features like Lambda expressions for cleaner, more efficient code, creating resource classes and retrieving data from the database.
- Built reusable, interoperable modules using RESTful services in a service-oriented architecture (SOA) to ensure seamless integration between services.
- Implemented the persistence layer with Hibernate ORM, including performing mappings and managing the entity lifecycle.
- Worked with containerization tools like Docker and orchestration platforms such as Kubernetes and AWS EC2 Container Service to manage scalable deployments.
- Handled Docker orchestration and managed Kubernetes for deployment, scaling, and container management, leveraging Terraform for infrastructure as code (IAC).
- Wrote comprehensive JUnit tests and utilized the Mockito framework to validate expected outcomes, improving code reliability.
- Developed test scripts using Selenium WebDriver with Java, and integrated Maven for build automation and project management.
- Deployed applications into Jenkins for Continuous Integration (CI), ensuring smooth code integration and automated testing in development environments.
- Used JIRA for issue tracking, monitoring work assignments, and raising queries with the business team for clarity.
- Implemented logging at various levels (error, info, debug) using Log4j, facilitating easier debugging and performance monitoring.

**Environment:** Java JDK 1.8, Spring Boot, Spring MVC, MySQL, AWS, Apache Kafka, Docker, Kubernetes, Terraform, RESTful Web Services, Hibernate, Angular 8, HTML5, CSS3, JavaScript, Maven, Jenkins, Selenium, JUnit, Mockito, Log4j, Git, JIRA.

**Client:** Company 3

**Jan 2011 - Nov 2012**

**Role:** Full stack Java Developer

**Description:** Developed and maintained a scalable, service-oriented architecture (SOA) application using Spring Boot, AngularJS, and AWS, focusing on both front-end and back-end development. Led efforts in migrating on-premise systems to AWS, implemented RESTful services, and improved application responsiveness with client-side validation and microservices. Played a key role in enhancing the performance, scalability, and modularity of the system.

## Responsibilities:

- Developed dynamic and responsive user interfaces using AngularJS, React JS, JavaScript, HTML5, CSS3, and Bootstrap, ensuring seamless user experience across platforms.
- Created custom reusable components and modules in AngularJS, streamlining development for single-page applications (SPA).
- Utilized AJAX and jQuery for asynchronous data fetching and rendering, improving UI responsiveness.
- Built RESTful web services using Spring Boot and Spring MVC, enabling modular and scalable application architectures.
- Worked extensively with Struts, JSP, and JSTL for front-end and back-end integration in the presentation layer.
- Utilized JAXB and JAXP for XML processing, ensuring seamless data exchange and communication with external systems.
- Implemented DAO patterns using JPA and Hibernate for database interactions with Oracle databases, ensuring efficient data management and persistence.
- Developed PL/SQL scripts for database operations, optimizing performance and reducing latency in high-load environments.
- Migrated on-premise systems to AWS, utilizing EC2, S3, and CloudFormation to improve scalability and reduce infrastructure overhead.
- Performed system monitoring using AWS CloudWatch to ensure the health and performance of cloud-deployed applications.
- Integrated Jenkins with Spring Boot applications for Continuous Integration (CI) and automated build pipelines, reducing manual deployment efforts.
- Utilized Git and GitHub for version control, enabling collaborative development, branch management, and pull request handling in an Agile environment.
- Implemented unit tests and integration tests using JUnit and Mockito, ensuring code quality and adherence to Test-Driven Development (TDD) practices.
- Followed Agile methodology throughout the project, participating in Scrum teams and ensuring iterative development and continuous delivery.

**Client: Dell International**

**Jan 2011 - Nov 2012**

**Role: Jr Full stack Java Developer**

**Description:** Contributed to the Global Fulfilment Exchange (GFX) team by developing and optimizing backend services, database queries, and RESTful APIs to support the sales of third-party products within Dell's global supply chain. Worked closely with cross-functional teams to enhance platform quality, scalability, and performance, while automating workflows with Java-based test scripts.

## Responsibilities:

- Collaborated with cross-functional teams, including Development and Marketing, to enhance the quality of software within the Global Fulfilment Exchange (GFX) system by 20%, facilitating seamless integration and sales of third-party products for DELL.
- Developed and executed Java test scripts for automating workflows within the GFX platform, ensuring the reliability of software components and improving performance metrics.
- Worked on backend development, enhancing API functionality and integrating third-party services to support the sales processes in Dell's global supply chain.
- Optimized database queries using SQL and worked with Oracle databases to manage and retrieve critical product and sales information, improving processing time by 15%.

- Integrated RESTful web services using Spring Boot, improving the scalability and performance of the GFX application for better global product fulfilment.
- Collaborated on UI/UX enhancements using JavaScript and AngularJS, ensuring the platform's user interface was intuitive and responsive.

**Environment:**

Java, Spring Boot, Spring Framework, Hibernate, RESTful Web Services, Oracle, SQL, JavaScript, AngularJS, HTML5, CSS3, Jenkins, JUnit, Selenium, GIT, Maven.

**Client: Dell International**

**Jan 2011 - Nov 2012**

**Role: Jr Full stack Java Developer**

**Description:** Led the identification and resolution of critical bugs while enhancing the stability and functionality of enterprise-level Java applications. Improved user experience through frontend development and collaborated on API integration using RESTful services, with a focus on automation, performance, and scalability improvements.

**Responsibilities:**

- Identified and resolved critical bugs in enterprise-level applications, improving product stability and user satisfaction by 25%, by leveraging Java, Spring Framework, and Hibernate for backend fixes.
- Participated in frontend development, working with HTML5, CSS3, and JavaScript to improve user experience and ensure cross-platform compatibility.
- Developed automated test cases using JUnit and Selenium for comprehensive testing coverage, which enhanced product reliability and reduced time spent on manual testing by 30%.
- Worked on the integration of REST APIs for data exchange between different enterprise systems, streamlining the data flow between Aptiva's internal applications and external services.
- Conducted performance testing and optimization of Java-based applications, ensuring scalability and stability under heavy load conditions.

**Environment:**

Java, Spring Framework, Hibernate, REST APIs, JUnit, Selenium, HTML5, CSS3, JavaScript, Oracle, SQL, Jenkins, Maven, GIT, Agile.