

Sai Vineeth Grandhi

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PROFESSIONAL SUMMARY

Seasoned Full-Stack Java Developer with 6+ years of experience designing, developing, and implementing scalable Enterprise and Web Applications across diverse domains. Expertise spans the entire Software Development Life Cycle (SDLC), strongly focusing on secure coding principles and practices.

- Advanced proficiency in **Java/J2EE**, including core concepts like OOPS, Multithreading, Exception Handling, Lambdas and Streams.
- Extensive experience with **Spring Framework ecosystem**: Spring, Spring Framework, Spring Boot, Spring MVC, Spring IOC, Spring REST, Spring Eureka, and Spring Security.
- Skilled in **front-end technologies**: HTML, CSS, JavaScript, TypeScript, React, AJAX, jQuery, Angular JS, TypeScript, Node.js and Bootstrap.
- Expertise in **SQL** (Oracle, MySQL, SQL Server, DB2) and **No-SQL** databases (MongoDB, Cassandra).
- Experienced with ORM tools like **Hibernate** and **Java Persistence API (JPA)**.
- Skilled in writing efficient database queries, stored procedures, and triggers using PL/SQL.
- Proficient in microservices architecture using Spring Boot and deployment in Pivotal Cloud Foundry (PCF).
- Experience with cloud platforms: **AWS** (EC2, Lambda, IAM, VPC) and **Azure** (PaaS services).
- Skilled in containerization and orchestration using **Docker** and **Kubernetes**.
- Implemented design patterns like Factory, Service Locator and Data Transfer Object.
- Developed unit test cases using **JUnit** and used **Log4J** for logging and debugging.
- Proficient in **CI/CD** tools: **Jenkins**, **GitHub**, **Bitbucket**, **GitLab**, and Bamboo.
- Expertise in J2EE technologies: Servlets, JSP, JDBC, EJB, and design patterns (MVC, DAO).
- Technical support to problems faced by end users. Handled sensitive and critical end-users with ease.
- Experience with **message brokers** like **Kafka** for **Asynchronous distributed services**.
- Architected scalable and high-performance systems aligned with business goals and technical standards.
- Skilled in creating and working with **RESTful web services** and handling data formats like XML and JSON.

TECHNICAL SKILLS

Programming Languages	Java, C, C++, SQL, PL/SQL, Python
Java/J2EE Technologies	Servlets, Ant, Maven, Log4j, XML, Web Services (REST/SOAP), JUNIT, JNDI, DOM
Frameworks	Spring, Spring MVC, Spring JDBC, Hibernate, Spring Core
Web Technologies	HTML, JavaScript, CSS, React, Angular
Web/Application Servers	WebLogic, WebSphere, Tomcat, JBOSS
Testing	JUnit, SOAP UI, Postman, Talend API
Version Control	Git, SVN
Database Environments	Oracle, PostgreSQL, MySQL
Project Methodologies	Agile, Waterfall

PROFESSIONAL EXPERIENCE

Buffalo Medical Group
Java Full Stack Developer

Feb'23 – Present
New York

Responsibilities:

- Led the design and implementation of microservices-based architectures, ensuring scalability and fault tolerance.
- Built scalable microservices using Spring Boot, and Spring Cloud (Eureka, Circuit Breaker, Ribbon) in spring cloud environment.
- Developed RESTful APIs services with API versioning, rate limiting, and authentication protocols.
- Integrated Swagger for API documentation and employed Maven 3.0 for build automation.
- Ensured security best practices with OAuth2, JWT, HTTPS, and data encryption, integrating Single Sign-On (SSO) using Site Minder.
- Implemented CI/CD pipelines and deployed Java Spring applications using Kubernetes and Docker for container orchestration.
- Created Single Page Applications (SPAs) using React.js with Java Spring backend, ensuring seamless integration and responsive user experiences.
- Designed and managed containerized applications using Docker and deployed them with Amazon ECS.
- Utilized Apache Kafka, and AWS SQS for asynchronous messaging in distributed architectures.
- Configured JBoss Application Server and utilized Oracle with Hibernate ORM, implementing second-level caching with Ehcache.
- Enhanced JavaScript backend code with TypeScript for type safety, maintainability, and modern JavaScript features.
- Provided technical guidance and mentorship to a cross-functional team, facilitating code reviews and architectural discussions.
- Set up AWS CloudWatch for real-time application monitoring and alerts.
- Automated deployments using AWS CodePipeline, CodeBuild, and CodeDeploy for Java applications.
- Designed responsive user interfaces using HTML5, CSS3-SASS, Twitter Bootstrap, and Webpack for efficient builds.
- Conducted dump analysis, diagnosed complex issues, and configured New Relic for application performance monitoring.
- Configured Jenkins for CI/CD pipelines and applied Docker for consistent environments across development and production.
- Designed and implemented cloud-native solutions with AWS, including EC2, S3, EBS, and Elastic Load Balancer.
- Developed Angular 12/13 components compatible with the latest TypeScript and Angular CLI versions.
- Set up centralized logging and monitoring with ELK Stack (Elasticsearch, Logstash, Kibana), Prometheus, and Grafana, including system health checks.
- Leveraged Kubernetes to automate deployments, scaling, and management of containerized applications.
- Used JUnit to test methodologies to ensure code reliability and quality.
- Deployed and managed cloud services using AWS CloudFormation, optimizing resource utilization across multiple environments.

Environments: JDK 17, React, Angular, HTML5, CSS3, Bootstrap 5.x, Site Minder, Hibernate , OIDC, Apache Kafka, Jenkins, Redis, MongoDB, Oracle, Python, JBoss, Kibana, Elasticsearch, Logstash, NPM, Webpack, Docker, Kubernetes, Apache Tomcat, EC2, S3, RDS, EBS, Elastic Load Balancer, Selenium, Spock, Karma, Jasmine, Mocha, Chai, Mockito, JUnit 5, Mock MVC, Maven 3.0.

Client: PepsiCo

Responsibilities:

- Developed a security module in Angular integrated with Spring Security for backend authentication and authorization, defining custom directives.
- Actively participated in Agile Kanban methodology, contributing to continuous development and delivery.
- Implemented Routing and HTTP modules for component navigation, invoking RESTful services using GET, POST, PUT, and DELETE.
- Built responsive Web UIs using HTML5, HTML, CSS3, and JavaScript, adhering to W3C standards for cross-browser compatibility. Extensively used Modernizer for standards-compliant layouts.
- Deployed multi-data center, multi-rack Cassandra clusters.
- Integrated Checkmarx and SonarQube for code quality and security analysis in multiple projects.
- Analyzed, designed, and developed J2EE applications using Spring and Hibernate.
- Migrated from EJB to Spring and implemented Spring Quartz for scheduling tasks, generating reports, and sending emails.
- Developed and exposed microservices using RESTful APIs with Spring Boot and Spring MVC.
- Implemented SOA web services with SOAP (JAX-WS) for handling large XML data blocks and consumed REST APIs using JAX-RS.
- Built applications using Spring MVC components with dispatch servlets, view resolvers, Request Mapping annotations, and RestController annotations.
- Developed APIs using AWS Lambda for code management and deployment.
- Deployed Spring Boot microservices in Docker containers using Amazon EC2 services.
- Monitored production and corporate storage with AWS CloudWatch.
- Built Docker images, managed Docker containers, and configured CI/CD pipelines with Jenkins and Maven for the JBoss Application Server.
- Integrated Oracle as a backend database with Hibernate for efficient Data Access Object (DAO) implementation, using SQL, HQL, and Hibernate Criteria Queries.
- Managed Java threads and multithreaded operations in microservices using the Executor Framework, implementing AOP, Spring Transactions, and Spring Security.
- Developed dynamic SQL and UNIX shell scripts for task automation and integrated Maven for application deployment.
- Optimized database performance with second-level caching using EH Cache and efficient table-join strategies.
- Prepared test cases with JUnit and Easy Mock, executed unit tests and ensured quality during the testing phase.
- Designed and developed microservices using Node.js, MongoDB, Neo4J, Elasticsearch, and Express.js in a Cisco Private Cloud (OpenStack) environment.
- Implemented metrics collection using Apache Kafka to stream server-side events and utilized Log4j for application logging.
- Managed Web Service Contracts and microservices in SOA environments, with experience in asynchronous task management and progress tracking.

Environments: Java/J2EE, Spring, Hibernate, Oracle, MongoDB, Node.js, AngularJS, Eclipse, IntelliJ, Maven, SVN, Jenkins, JIRA, and Docker on platforms like Apache Tomcat, WebSphere.

Client: Nestle**Responsibilities:**

- Designed the system's high-level and low-level architecture. Developed UML diagrams using Use Cases, Sequence, Class, Sequence, and State Diagrams using Rational Software Architect (RSA).
- Involved in designing, developing, and configuring server-side J2EE components: Servlets, JSP, and JDBC, J2EE platform using Eclipse IDE, and deployments in JBoss App Server environments.
- Developed interactive, database-oriented websites and front ends using JSP, JSTL, Servlets, HTML, and CSS.
- Used J2EE technology to build Multitier Architecture. Business logic details in Struts2 Framework and POJOs.
- Used SPRING ORM module for integration with Hibernate for persistence layer REST web service which produces both XML and JSON to perform tasks, leveraged by both web and mobile applications.
- Developed SOAP services and clients using WSDL, XML, and XSD.
- Performed installations, configurations and deployments using Tomcat and JBoss App Server.
- Utilized stored procedures and Java APIs to execute these procedures, optimizing database operations and improving performance for complex queries and data manipulations.
- Employed JSON for data validation and documentation requirements, ensuring that application data is structured and easily transferable between the server and client sides.
- Designed web interfaces and business logic using the Spring Framework (MVC architecture), JSP, Servlets, Java Beans, JDBC, AJAX, JavaScript, HTML, DHTML, and XML. This comprehensive design approach improved the user experience and ensured the application's responsiveness.
- Implemented MongoDB as a document-oriented database for data storage, enabling flexible data modeling and efficient querying, which supported the application's scalability and performance needs.
- Developed and exposed microservices based on REST APIs utilizing Spring Boot with Spring MVC. All functionality was implemented using the Spring IO platform and Hibernate ORM, allowing for modular, maintainable code and streamlined service interactions.
- Planned, scheduled, and executed system maintenance tasks on Linux servers, implementing Secure Shell (SSH) protocols for secure access and management, thereby enhancing the overall security posture of the environment.
- Worked on multiple projects, focusing on developing UI components using React, a lightweight JavaScript library that enables the creation of reusable and dynamic user interface elements, thus improving development efficiency.

Environments: JSP, Servlets, React, Java Beans, JDBC, AJAX, XML, HTML, JavaScript, JSON, MongoDB, Spring Boot, Spring IOC, Spring MVC, JAX-RS, JAX-WS, Maven, Microservices, Hibernate, SQL, Postman, AngularJS, Oracle, SOAP, RESTful, JIRA, Junit, Mockito and Log4j.

EDUCATION DETAILS**Master's | State University of New York at Buffalo****Dec'23****Bachelor's | JB Institute of Engineering & Technology****Apr'19**