# Bala venkata sai kumar Thota

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**PROFESSIONAL SUMMARY:**

* Full Stack Engineer with 6+ years of experience developing and maintaining full stack applications across Telecom, Healthcare, Banking, Logistics, and Finance domains.
* Proficient in developing end-to-end solutions with strong expertise in both backend (Java, Spring Boot, Node.js) and frontend (JavaScript ES5/ES6, HTML5, CSS3, Angular, ReactJS) technologies.
* Participated in full-stack development lifecycle gathering requirements, design, discussions, development testing, production deployment and support.
* Strong background in web services integration, implementing RESTful APIs, and ensuring robust API security with OAuth 2.0, JWT, and related protocols.
* Knowledge of ORM tools including Hibernate, Spring Data, JPA, and extensive use of design patterns.
* Developed application in monolithic and micro service-based architectures. Hands-on experience with DevOps tools like Jenkins, GitLab pipelines, Maven/Gradle, and automate software delivery.
* Worked with big data technologies such as Spark, Hadoop, and Kafka, alongside managing databases—both relational like Oracle, MySQL, PostgreSQL, and NoSQL systems like MongoDB, Cassandra, and Redis.
* Collaborated with cross-functional teams to improve processes, document workflows, and deliver solutions using agile methods.
* Created responsive, user-friendly interfaces with frameworks like Angular, React.js.
* Built scalable backend systems using Java-based frameworks like Spring and Spring Boot.
* Developed microservices architectures using Spring Boot, integrated APIs, and enhanced system reliability with tools like Ribbon, Zuul, and Hystrix.
* Designed and implemented cloud solutions using AWS for secure and scalable deployments.
* Automated CI/CD pipelines using Jenkins with task automation using Grunt.js, Gulp, and Docker.
* Used Git and SVN for version control, while managing projects with tools like JIRA and Confluence.
* Integrated web services using SOAP and REST APIs, while implementing robust security with OAuth 2.0, JWT, and OIDC.
* Led agile teams throughout the development lifecycle, emphasizing TDD, clear documentation, and continuous improvements to deliver high-quality solutions.

**TECHNICAL DETAILS:**

| **Category** | **Technologies** |
| --- | --- |
| Web Technologies | JavaScript, AJAX, Bootstrap, jQuery, JSON, Apache, HTML/HTML5, CSS2/CSS3, DOM, DHTML, XML, XHTML, XSLT, TypeScript |
| JavaScript Libraries | Ext JS 2.0/1.0, Angular.js, Node.js, React.js |
| Programming Languages | Java 1.8, Java 11, Java 17, SQL, PL/SQL, Python. |
| J2EE Technologies | J2EE, Servlets, JSP, JDBC, Hibernate, JPA, JSTL, JSF, JMS, Struts, Web Services |
| Tools and Frameworks | Spring, Spring Boot, Hibernate, Spring MVC, Spring IOC, Spring AOP, Spring Security, Guava, Spring JPA, Junit 4/5, Jupiter, Mockito, Power Mockito. |
| Databases | Oracle, MSSQL, MySQL, MongoDB, AWS DynamoDB |
| Application Servers | Apache Tomcat, IBM WebSphere, BEA WebLogic |
| Web Services | RESTful, WSDL, Microservices, JAX-RS, JAX-WS |
| IDE | Eclipse, IntelliJ, VSCode. |
| Version Control | GIT, SVN, Bitbucket |
| Operating Systems | Windows, Linux, macOS |

**Professional Experience:**

**Client: Transamerica, IA** *Jul 2023 – present*

**Role: Java Full Stack Developer**

**Responsibilities:**

* Built enterprise applications using Java to manage customer registration, verification and authentication.
* Involved design and implementation of enterprise-grade applications using Java, Spring Boot, and RESTful APIs to support customer and insurance data systems.
* Developed and maintained secure and high-performing APIs using Node.js and integrated backend services with MySQL RDS and NoSQL databases like DynamoDB.
* Built responsive, interactive UI components for internal tools and content management systems using Angular, TypeScript, and jQuery.
* Designed and implemented real-time analytics dashboards and data visualizations with Chart.js and AngularJS for business insights.
* Automated deployments and built CI/CD pipelines using Jenkins and managed infrastructure with AWS services (EC2, Lambda, S3, RDS, SNS/SQS, Kinesis).
* Improved performance and reliability of cloud applications through caching (Redis), cost optimization strategies, and infrastructure monitoring.
* Created dynamic, exportable reports in PDF and Excel formats using HTML, SQL, and JavaScript for various business use cases.
* Participated code reviews, technical discussions, and agile ceremonies to ensure development best practices and timely delivery.
* Enhanced quality assurance practices through Selenium automation, Page Object Model (POM), and data-driven testing.
* Collaborated with cross-functional teams to define product requirements, prioritize features, and drive full-stack development across projects.
* Delivered clean, testable code with high coverage using JUnit, Jupiter, and Mockito for integration and unit testing.
* Supported seamless application hosting using AWS Elastic Beanstalk.

**Client: Wyndham Destinations, NJ**

**Role: Java Full Stack Application Developer** *Jan 2021 – Jun 2023*

**Responsibilities:**

* Developed, implemented, and deployed an application using Java 8, Spring MVC and Spring Boot.
* Participated proactively in business meetings and technical design discussions to develop new services for rebuilding application.
* Developed codebase using Java 8 features such as Lambdas, Streams, Functions, Predicates, and Optional interfaces.
* Developed Restful services in micro-service pattern and registered with Eureka service discovery.
* Developed SOAP based services and modified contract on legacy applications as per business requirements.
* Converted SOAP based services to Springboot Restful services.
* Wrote AJAX calls to make asynchronous request and render content on JSP pages.
* Utilize the XSL files, DCR content publishes by content author on open text by utilizing JavaScript code and render page styles dynamically based on the chosen skin type.
* Developed responsive pages using Bootstrap and applied CSS changes for HTML elements as per the business requirements.
* Modified schemas in middleware (OSB and SCA) services to pass data to web layer from Service layer.
* Implemented Ribbon and Feign for client-side load balancing. Enabled Hystrix to handle runtime Exceptions.
* Implemented DAO pattern for Object mappings and performed relation mappings using JPA to schemas for retrieving information. I have applied relational mappings between on objects using Hibernate when necessary.
* Implemented Zuul for filtering and authenticating requests using OAuth2.
* Migrated Java 8, SpringBoot 2. \* to services Java 17, SpringBoot 3. \*.
* Integrated caching to application using Redis cache messaging with the Rabbit MQ server.
* Used SVN, Bitbucket for code versioning.
* Monitored the services deployed through Jenkins pipeline to WebLogic/Tomcat server and performed testing using the POSTMAN tool for any issues.
* Monitored and maintained application performance continuously by adding necessary Log statements when new functionalities are added as part of development.
* Provided continuous support for different club sites when issues occur by tracing logs through local debugging and Splunk log tracing.
* Continuous participated proactively in team discussions with the User Interface team to understand the requirements and designed services effectively by using the best coding practices.

**Client: Paytm, India**

**Role: Java Full Stack Developer** *Dec 2018 – Jul 2019*

**Responsibilities:**

* Designed Single Page Applications (SPA) with Angular 8, using modules, components, templates, and dependency injection.
* Improved application performance with Angular 8 Lazy Loading and ahead-of-time (AOT) compilation.
* Built user-friendly web applications with Angular, RxJS, TypeScript, and JavaScript.
* Enhanced accessibility features in collaboration with designers; conducted audits using tools like Axe and WAVE to ensure WCAG compliance.
* Managed state effectively using NGRX/Flux for seamless user experiences.
* Developed DAO interfaces and abstract classes for database interaction and performed CRUD operations with Hibernate Criteria API.
* Optimized error logging with Log4j and conducted unit tests using JUnit, and Mockito.
* Worked on J2EE technologies, including Servlets, JSP, JPA, Hibernate, and Java Spring.
* Led WebSphere migration projects, ensuring smooth transitions and minimal downtime.
* Applied multithreading techniques to improve responsiveness and performance.
* Developed optimized SQL queries and stored procedures for backend operations using JDBC.
* Generated XML data structures and implemented JMS for asynchronous messaging.
* Deployed applications reliably on Apache Tomcat servers.
* Designed scalable cloud-based solutions with Microsoft Azure, including virtual machine setups.

**Client: Auzmor PVT LTD, India** *Sep 2017 – Nov 2018*

**Role: Java Developer**

**Responsibilities:**

* Participated in requirements gathering, design, development, and testing using Agile (SCRUM) methodology.
* Developed user-friendly interfaces with Angular 2, including navigation bars and tables.
* Built SPAs and multi-page web applications using Angular 2 and JavaScript for CRUD operations.
* Created dynamic UI screens with HTML5, CSS3, XML, XSLT, and JavaScript, following W3C standards.
* Enhanced UIs using Java Server Faces (JSF) navigation rules and tags.
* Experienced in the full SDLC, scalable architecture, OOP, and Agile practices.
* Utilized Hibernate to map Java objects to relational databases.
* Designed SOAP web services with the JaxWS framework for secure data exchange.
* Integrated Selenium with testing tools (JMeter, LoadRunner) to assess performance under load.
* Conducted cross-browser testing with Selenium to ensure compatibility across Chrome, Firefox, Safari, and Edge.
* Created JSP pages integrated with databases using Servlets to enhance functionality.
* Enhanced applications with robust exception handling, multithreading, and Collection APIs.
* Developed UNIX shell scripts for efficient data transfer across servers.
* Built SPAs and web applications using Angular (8–10).
* Designed MVC architecture with STRUTS framework, incorporating JSP, Servlets, and EJB.
* Optimized applications using Angular Lazy Loading and ahead-of-time (AOT) compilation.
* Implemented MVC architecture with the STRUTS framework, JSP, Servlets, and EJB.
* Built RESTful services with Jax-Rs framework.
* Improved performance through concurrency management, and refined exception handling.
* Debugged and monitored applications with Log4J, JUnit, and Mockito.
* Deployed applications reliably on Oracle WebLogic.
* Developed and optimized SQL scripts in MySQL for back-end communication.
* Created CI/CD pipelines using Jenkins and Maven, and developed applications integrating ElasticSearch, RabbitMQ, and Log4J.
* Deployed and debugged applications on WebSphere Liberty Profile, ensuring scalability and fault tolerance.

**Education**

**Master of Science in Information Systems (3.9 – 4.0)**

*Northwest Missouri State University, Missouri , USA Aug 2019 – Dec 2020*

**Bachelors in Computer Science & Engineering (3.6 – 4.0)**

*Vignan's Lara Institute of Technology & Science, Vadlamudi, India Jul 2013 – Jun 2017*