Santosh Malla Thakuri [**santoshmallathakuri10@gmail.com**](mailto:santoshmallathakuri10@gmail.com)

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# PROFESSIONAL SUMMARY:

* Highly Skilled Professional with 7+ years of professional experience in designing, developing and testing internet/intranet Web-based applications, Client/Server applications, J2EE Architecture, OO Design patterns, Core Java.
* Proficient in applying design patterns like MVC, Singleton, Session Facade, Service Locator, Adapter, Visitor, Observer, Decorator, Front Controller, Data Access Object.
* Expertise on Spring Boot, Spring Core, Spring ORM, Spring DAO, and Spring MVC architectures.
* Excellent experience in Object Oriented Analysis and Design (OOAD), Development, Implementation and Testing of various software applications using Java, J2EE.
* Excellent experience with major relational databases - Oracle 19g, SQL Server, DB2, My SQL.
* Experience with Python pipeline development using workflow management platform such as Azure and AWS.
* Extensive Experience in retrieving and manipulating data from backend using Database SQL queries, PL/SQL Stored Procedures, Functions, Sequences, Triggers, Views and Packages.
* Strong experience with MongoDB development (reports, schema design, map reduce functions) and migrations from SQL relational databases.
* Designing and Developing Single Page web applications (SPA) using Angular 7/8, and Node.js with other UI technologies/ libs such as Backbone, jQuery, Bootstrap.
* Proficient in creating the Dashboards using the Backbone.js for faster performance with AJAX calls.
* Knowledge of application development for Cloud platforms using technologies like Java 8 /11, Spring Boot, Spring Cloud, Microservices. Experience in Microservices and Spring Boot application development.
* Experience in performance testing and optimization of Kafka clusters, identifying and resolving bottlenecks to achieve higher throughput and lower end-to-end latency.
* Defined set of security policies which helps in identifying, categorizing and protecting the assets on AWS, managing access to AWS resources using accounts, users and groups.
* Excellent experience in writing Maven build scripts, providing logging facility using Log4j, Writing JUnit test cases and using Clear Quest, JMeter, Bugzilla for bug tracking.
* Proficient in NoSQL DB such as Apache Cassandra DB, MongoDB.
* Experience in Swagger for documenting REST API and to describe REST web services.
* Extensive experience in using Amazon Web Services like RDS, EC2, Redshift, SQS, SNS, Cloud Watch and S3.
* Experience in Integration of Amazon Web Services, AWS with other applications infrastructure.
* Good working experience in using Maven and Gradle scripts for building and deploying the application in web/App servers.
* Excellent team player, quick learner and self-starter with effective communication, motivation and organizational skills combined with attention to details and business process improvement.

# SKILL SET:

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| Programming Languages | Java, SQL, PL/SQL, Python |
| Web Technologies | Angular 8, HTML5, CSS3, JavaScript, jQuery, JSON, AJAX. |
| J2EE Framework/API’s | Spring, Hibernate, JDBC, JMS, RMI, JNDI, Spring Boot. |
| Operating System | Windows, UNIX/Linux. |
| IDE | IntelliJ, Eclipse, MyEclipse, NetBeans. |
| Web Services | SOAP, REST, JAX-WS, JAX-RS, Restful, Microservices, AWS,  Swagger |
| Application/Web Servers | WebSphere, Tomcat. |
| Databases | SQL Server, Oracle, My SQL, DB2. |
| Version Control | GIT, BitBucket, Github |
| Testing/ Logging Tools | JUnit, Log4J, Mockito |
| Build Tools | Gradle, Maven, Jenkins. |

# PROFESSIONAL EXPERIENCE:

# Bank of America, Remote April 2023 – August 2023

# Full Stack Java Developer

* Actively involved in the full software development lifecycle: from business/systems analysis, through requirements gathering and functional specification authoring, to development, testing and delivery.
* Used Spring framework including Spring Beans, Spring AOP and Spring Boot.
* Used Spring Beans to encapsulate business logic and Implemented Application MVC Architecture using Spring MVC.
* Used Spring AOP for logging for crosscutting concerns of the application.
* Developed server-side application to interact with databases using Spring Boot and Hibernate.
* Involved extensively in authentication and authorization using Spring Security.
* Designed and developed restful API and services using best practices to interact within the Microservices and with the front end.
* Focused on Test Driven Development, thereby creating detailed Junit tests for every single functionality before writing the functionality.
* Developed complex service components for Data Access Layer, DAO classes to interact with backend using Java 8 and Hibernate Framework.
* Implemented the application using Spring MVC Framework and handled the authentication, authorization, and access-control features by using Spring Security.
* Wrote SQL queries and PL/SQL – Stored procedures, functions, triggers, cursors, sequences, and indexes, which are going to be invoked by Batch processes.
* Deployed the application on WebSphere application server.
* Used Maven for build framework and Jenkins for continuous build system
* Develop the UI component using Angular 8, Typescript, HTML5, CSS3 and Bootstrap.
* Created custom, self-contained, reusable and testable Angular 8 modules, controllers, directives and services to implement key functionalities for customer account summary.
* Used Angular 8 Http services for asynchronous validations for the input fields of the forms with the data that existed in the database.
* Used Spring Kafka API calls to process the messages smoothly on Kafka Cluster setup.
* The application is designed using design patterns Session façade, Singleton, Factory, DAO and technologies based on MVC architecture.
* Utilized Big Data framework Kafka Streams API to build complex event processing applications, enabling data enrichment, aggregation, and transformation within real-time pipelines.
* Contributed to the establishment of best practices for Kafka cluster management, including topics creation, partitioning, replication, and tuning to ensure high availability and fault tolerance.
* Used Spring DAO module for performing CRUD operations on database and implemented logging in the application using Spring Framework AOP module to know the application status.
* Used Spring MVC Model View Controller to handle/intercept the user requests and used various controllers and created Rest API.
* Deployed the application as a microservice into Docker container and made easily accessible at runtime using AWS services like EC2.
* Implemented a production ready, load balanced, highly available, fault tolerant, auto scaling AWS infrastructure and microservice container orchestration.
* Developed Microservices with Spring Eureka to retrieve API routes and Implemented Spring Circuit breaker pattern, integrated Hystrix dashboard to monitor spring microservice
* Involved in writing Thread Safe blocks for multithreading access to make valid transactions.
* Developed application and deployed the application into WebLogic application server.
* Used Cassandra for achieving denormalization through features like collections.
* Involved in Code Review, Unit Testing and Integration Testing, Selenium Web Driver

**Environment:** Java, Spring MVC, Hibernate, XML, HTML, jQuery, JavaScript, Bootstrap, Angular 8, Big Data, Kafka, REST API, Multithreading, Jenkins, Microservice, Selenium Web Driver, Kubernetes, Docker, Maven, Log4J, GIT, MongoDB

# Fiserv, Remote February 2020 - April 2023

# Full Stack Developer

* Participated in Agile (Scrum) methodology and Involved in Design, development, Implementation and testing of the application.
* Participated in task breakdown sessions, involved in SCRUM poker for task assessments, assigned tasks to myself and team members, participated in daily scrum, bi-weekly sprint end review and retrospective meetings.
* Designed and developed the REST Controllers, Services, Entities and Repositories.
* Developed Angular 7 services making use of resource service to perform REST API calls to the backend.
* Developed Unit test case using JUnit and used Jenkins for continuous integration testing.
* Developed the front-end featuring a rich web interface implemented using HTML5, CSS, Angular 7 and Typescript.
* Involved in micro-service architecture with Spring Boot and Implemented Spring MVC framework which includes controllers and services for handling the requests.
* Created various schemes or tables required for the project in Oracle 11g database and generated respective entities in Hibernate.
* Implementing Angular 5/6 and Spring MVC as model components and developed custom Angular5/6 directives, tags and integrated with Spring forms.
* Responsible for implementing the business requirements using Spring MVC, Spring Boot, Spring Data, Spring Security
* Involved in deploying systems on Amazon Web Services Infrastructure services EC2 Cloud Formation. Deploy and monitor scalable infrastructure on Amazon web services (AWS) and configuration management instances and Managed servers on the Amazon Web Services (AWS) platform using Chef configuration management tools and Created instances in AWS as well as migrated data to AWS from data Center.
* Build, Test and develop applications from Docker containers and deployed into the PCF environment.
* Developed CI/CD system with Jenkins on Kubernetes environment, utilized Kubernetes and Docker for the runtime environment for the CI/CD system to build, Test and Deploy.
* Managed Docker orchestration and Docker containerization using Kubernetes.
* Used Kubernetes to orchestrate the deployment, scaling and management of Docker Containers.
* Implemented the application using Spring MVC Framework and handled the authentication, authorization, and access-control features by using Spring Security.
* Worked with Cassandra Node Connector for database persistence to interact with Cassandra NOSQL DB with Spring Data to unify and ease the access to Cassandra persistence stores.
* Also used the Spring IOC feature to get a hibernate session factory and resolve other bean dependencies.
* Integrated http services with backend and involved implementing streams with Observables.
* Involved in Building the project using Gradle tool for creating WAR files to be deployed in application servers.
* Good experience in debugging the application by running the server in debug mode and having the experience in usage of log4J to persist the data in log files.
* Used JavaScript testing tool Jasmine for unit testing.

**Environment:** Java, Spring Boot, Hibernate, Tomcat, Log4j, Gradle, AWS, Eclipse, Angular 6, TypeScript, Node.js, HTML, CSS, JUnit, Docker, Oracle 11g, Cassandra, GitHub, Jenkins, JIRA, Jasmine, Micro-Service, Mockito, VS code.

# JB Hunt Lowell, AR July 2017– Jan 2020 Java developer

* Actively involved in Full Cycle of Software Development from Analysis through Design, Development, Integration and testing phases.
* Design and develop code for an Exchange project using the Java EE platform. Extensively using MVC, Factory, Delegate and Singleton design patterns.
* Involved in design, development and maintenance of applications that utilizes Microservices, J2EE, Spring Framework, Spring MVC, Spring Integrations, Spring Data JPA.
* Had knowledge on Kibana and Elastic search to identify the Kafka message failure scenarios for big data.
* Extensive use of core Java Collections, Generics, Exception Handling, and Design Patterns for functionality, such as portfolio summary and user information.
* Used Spring boot actuator to access the current state of the running application in the production environment.
* Build Microservices for the delivery of software products across the enterprise.
* Used JMS for reliable and asynchronous exchange of important information such as payment status reports.
* Implemented SOA to develop REST Based Web services using Jersey, JAX-RS.
* Used Swagger for the scanning of application code so that other developers could easily overtake it.
* Extensively worked on JPA with Hibernate as persistence layer and developed RESTFUL web services using Spring boot, Spring RESTFUL template.
* Implemented JPA ORM through Hibernate created connections to the database using Hibernate Session Factory, using Hibernate APIs to retrieve and store data to the database with Hibernate transaction control.
* Worked with Hibernate and JPA annotations to configure entity classes. Generating primary keys using DB Sequences and maintaining relationships with other tables.
* Developed PL/SQL stored procedures, functions, views, created indexes and constraints, triggers and required SQL tuning to reduce the response time in the application. Worked on Query optimization.
* Used Maven scripts to build the application and deployed on WebLogic Application Server.
* Used GIT repository for software configuration management and version control, Maven is used for build script and configured log4j, .log files.
* Developed the functionalities under Agile Methodology JIRA processes.
* Used Microsoft SQL Server database for queries and to update data in the database.
* Wrote JUNIT Test cases for Spring Controllers and Web Service Clients in Service Layer using Mockito.
* Used Log4J for tracking errors and debugging the code.
* Used GIT for version controlling and Eclipse as IDE.

**Environment:** Windows, Java, Spring Framework, Spring Boot, Hibernate, RESTful Web Services, Swagger, JSON, Agile, Eclipse, JMS, Junit, Maven, GIT, Log4j, Mockito, Microsoft SQL Server, Jenkins

# United American Insurance, McKinney, TX July 2016– June 2017 Jr. Java developer

* Developed the use cases and class diagrams using Rational Rose/UML.
* Followed AGILE Methodology with SCRUM Meetings and involved in maintaining Sprint backlogs during the development cycles.
* Designed and developed the front-end screens using JSP, HTML, CSS, JavaScript and jQuery.
* Implemented CI/CD pipelines for Java application on PCF using tools like Jenkins.
* Used Spring declarative transaction management to manage transactions in the application.
* Used Spring Core (Inversion of Control)/DI (Dependency Injection) to wire the object dependencies across the application.
* Used Spring Security for Authentication and authorization extensively.
* Written code using Java Spring and used REST service to connect the Oracle and display it on the browser.
* Used Hibernate ORM Framework for Data persistence and transaction management.
* Developed Spring AOP logging aspects for the application, which is used across modules.
* Developed Spring services and data access objects and used Spring transaction management in the application.
* Developed Spring JMS message listeners to consume messages from queues.
* Developed Spring batch jobs for importing xml data into database and for email notifications.
* Worked extensively in writing and debugging complex stored procedures, triggers, Inner Joins, Outer Joins, views and user-defined functions.
* Used SVN version controller to manage the code versions and Log4j for logging the application.
* Used Maven build tool to build and deploy the application using WebLogic.
* Prepared Test Cases and Unit Testing is performed using JUnit.

**Environment:** Windows, Java 8 /9, Spring Framework, Hibernate, REST, JMS, JSON, Agile, JMS, Junit, WebLogic, GIT, Log4j, SQL, Jenkins, PCF

**EDUCATION**

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| **Bachelor In Information and technology** | **Marymount University** | **2022,**  **August** | **2807 N Glebe Rd, Arlington, VA 22207** |