**Sai Koundnya Marka**

**PROFESSIONAL SUMMARY:**

Java/J2EE Full Stack Developer in developing enterprise, around 9 years of experience in Application Analysis, Design, Development, Integration, deployment, testing, debugging, documentation and Maintenance/Support for Web, Standalone, and Client - Server based Software Applications using HTML5, JavaScript, Bootstrap, jQuery, Angular, React, Node.js Object Oriented Programming Concepts, Java and Java EE (Servlets, JSP, JDBC, JNDI, EJB), Web Services (REST, SOAP), Java Beans, Struts.

* Hands-on experience on developing message-driven applications with AWS Cloud Native architectures, Java, Angular, React Microservices, (Docker/Kubernetes), Apache Zookeeper, Spring MVC/Spring Boot, Real-time Streaming Data with Apache Kafka distributed streaming platform Logging and monitoring with ELK Stack, AWS Elastic ache Redis for Cache &amp; Coherence, Settings &amp; OAuth2 and Kibana dashboard-logging Analysis, JSP, JDBC, and JMS.
* Good hands-on experience in designing, developing, implementing, and deploying applications on cloud using IBM Cloud. Experienced in working on Splunk drill down data from logs
* Expertise in developing Java applications using Spring MVC, Spring AOP, Spring DI, Spring JDBC, Spring IOC, Spring ORM, Spring Security, Spring Batch, Spring Boot, Spring Data. Spring framework with Hibernate as the back end ORM tool. Comfortable working with MEAN (MongoDB, Express, Angular, NodeJS) stack
* Worked on SQL/ RDBMS databases like PostgreSQL, MySQL, DB2, Oracle 13c/11g, Microsoft SQL Server, NoSQL DB (Mongo DB, Cassandra)
* Skilled in building and integrating GraphQL on both frontend and backend using technologies like React, Angular, Node.js, and Spring Boot.
* Familiar in using various AWS IAAS (Infrastructure as a Service) Components like EC2 for running applications virtually S3, Glacier, EBS for persistent and block level storage, Elastic Cache, Dynamo DB, SQS for message queueing, RDS for setting relational database in cloud and Lambda for server less program functions. Experience in Azure Storage, functions, App services, Web Jobs, Key Vault
* Experience with Design, code, and debug operations, reporting, data analysis and web applications utilizing Python.
* Understanding of Domain Driven Design concepts and Service-Oriented Architecture principles, with experience applying them to build clear domain models and reusable services for my projects
* Experienced in developing Automation Framework using Cucumber BDD, JUnit, Gherkin, Java and Selenium WebDriver commands and X-path and developed grunt tasks to run the unit tests on Jenkins
* Experience in writing application by using build tools such as Maven, Ant, Gradle Worked on Struts java framework utilizing Struts Tiles, Struts Controllers (Action and Forms) and Client server validations.
* Hands on experience in deploying and configuration multi-tier enterprise application on various Application servers and Web Servers which includes Apache Tomcat, WebLogic Server, JBoss, WebSphere
* Expertise in tracking bugs and issues using JIRA and Firebug Hands-on experience with version control systems like GIT, CVS and SVN for providing common platforms for all the developers Using Kotlin for implementing new modules in the application.
* Automated tasks by debugging &amp; optimizing code using Java, Cron, Shell/Bash scripts and Windows job scheduler task
* Competence in using Java IDE tools like Eclipse, Net Beans, Intelli J, Notepad++ and Sublime to develop dynamic web applications.
* Designed and developed SOAP and Restful web services using WSDL, SOAP, JAX\_WS, JAX-RS, CXF, AXIS, JERSEY, REST Template and SOAP UI.

**TECHNICAL SKILLS**

**Languages:** C, C++, Java, SQL, PLSQL, Python

**Scripting Languages**: XML, XHTML, HTML, CSS, JavaScript, AJAX, jQuery, JSON, Angular, Bootstrap, NodeJS, backbones, ReactJS.

**Tools**: Junit, Selenium web Driver, Mockito

**Frameworks:** Spring Boot, Spring Cloud, Spring MVCStruts, JSF, JPA, EJB and Hibernate, iBatis, JMS.

**Cloud Automation Tool:** OpenStack, Docker, IBM Cloud, Ansible, Various frameworks of AWS, Azure, CI/CD JIRA, Jenkins, CHEF. Web Services: SOAP, RESTful Web services, JAX-WS, JAX-RS, WSDL, Swagger

**Databases:** Oracle11g,MySQL,NoSql, PostgreSQL, DB2,MongoDB, Cassandra, CosmosDB

**Version Control:** Git, GitHub, SVN, CVS, Bamboo.

**IDE Tools:** Eclipse, Net beans, IntelliJ, IBM RAD, ANT, Maven, Gradle STS Web/App/DB

**Servers:** IBM WebSphere, WebLogic, Apache, Tomcat, JBoss.

**WORK EXPERIENCE:**

**First Command, Fort Worth, TX July 2024 – Till Now**

**Full Stack Java developer**

**Responsibilities**:

* Developed and maintained Spring Boot microservices with Spring Eureka for service discovery and supported Java applications to ensure smooth performance and timely issue resolution in enterprise environments.
* Worked on secure RESTful and GraphQL APIs using Spring Boot, implementing authentication mechanisms like POP token, OAuth2, JWT, and Single Sign-On (SSO) via Spring Security to ensure unified access and secure third-party integrations.
* Built UI components using React.js, Redux, JavaScript, HTML, CSS3, and Bootstrap, implementing SPA behavior through React Router for seamless client-side navigation and data manipulation.
* Followed W3C guidelines to ensure web applications met accessibility, usability, and responsiveness standards.
* Designed batch workflows using Spring Batch and Spring Cron Scheduler to automate large-volume data processing and scheduled jobs and set up cron jobs for regular tasks like backups and alerts.
* Built and automated CI/CD pipelines using Aws DevOps, Jenkins, Docker, and Maven; containerized microservices with Docker; automated deployments with Python scripts integrated into Spring Boot; and managed source control, builds, and logs using Bitbucket, Nexus, and Log4j while monitoring deployments via Kubernetes and Kibana.
* Optimized application performance and data consistency using Spring MVC Transaction Management, hibernate batch operations, and caching, while writing and tuning complex SQL/HQL queries with Hibernate ORM in Oracle and PostgreSQL databases.
* Integrated Apache Kafka, RabbitMQ, and JMS for asynchronous message handling; leveraged Kafka consumer groups in Scala for parallel processing and scalable event streaming.
* Deployed and scaled containerized applications using Amazon EKS and Red Hat OpenShift to ensure high availability and fault-tolerant architecture.
* Used ServiceNow reports and dashboards to monitor ticket resolution trends and team metrics.
* **Using Swagger UI registered micro services, monitored service health check from Spring Boot admin console.**
* Performed API performance testing using Postman, SoapUI, and JMeter, and developed automated test cases with JUnit, Mockito, TestNG, and Groovy to ensure stability and coverage.
* Participated in the full SDLC—from design to deployment—following TDD/BDD practices, documenting APIs and processes, and collaborating with cross-functional teams to deliver maintainable, business-aligned solutions.

**Environment**: AWS, Java 17, Maven, Git, Spring, Spring Boot, Hibernate, JPA, Node, CSS3, MicroServices, Typescript, JavaScript, Quartz, Postgres, Gulp, Jasmine, Karma, SendGrid, Auth0, JWT, logback, Tomcat, JSON, REST, SOAP, Node Express, Reactive js, jQuery, system js, Datatable, Sonar.

**Verizon, Irving, TX                                                                                                   May 2023 –June 2024**

**FULL STACK JAVA DEVELOPER**

**RESPONSIBILITIES:**

* Migrated a legacy monolithic ACSS NSA application into Spring Boot-based microservices for Batch Process Component, modernizing the legacy system significantly improving system modularity, deployment speed, and backend scalability.
* Implemented UI components and designs using Verizon internal VDS and FlexBox reusable components to create structured pages and layouts.
* Designed and implemented RESTful APIs supporting GET, POST, PUT, DELETE methods; secured endpoints using Spring Security to prevent session
* Integrated backend services with internal systems using Spring Rest Template, and generated API documentation with Swagger2 to streamline testing and consumption.
* Developed and automated CI/CD pipelines using Jenkins, integrating with ServiceNow for change tracking and workflow approvals.
* Worked in using React JS components, Forms, Events, Keys, Router, Animations, and Redux concept.
* Created responsive SPA components using React.js, Redux, and React lifecycle methods, incorporating Forms, Events, Navigation, and dynamic state management.
* Worked on dynamic UI features using React.js, Redux, JSX, Flexbox, and React Router, improving SPA responsiveness and front-end UX.
* Investigated and resolved production issues for the ACSS NSA Application, collaborating with the Field Ops team.
* Integrated and deployed Spring Boot apps on AWS using Lambda, API Gateway, EC2, RDS, DynamoDB, S3, IAM, and optimized with Fargate and Outposts.
* Wrote SQL queries, stored procedures, triggers, views, and enhanced performance with explain plans.
* Conducted peer code reviews to ensure compliance with NSA application standards and best practices.
* Developed user-friendly applications that work smoothly on all browsers by following W3C standards.
* Executed frontend builds using Node.js and Webpack, optimizing asset delivery and bundling performance.
* Proactively monitored and diagnosed cross-service behavior using Kibana dashboards from the ELK Stack, PEGA Kibana CXP, and aggregated log pipelines.
* Involved in all the test cases using the framework JUnit and fixed any bugs or any issues identified during the testing period.
* Used ServiceNow as a ticketing tool to track and manage incidents, change requests, and service tasks.
* Performed root cause analysis (RCA) on P1/P2 issues, collaborating with Field Ops and Customer Support for efficient resolution.
* Reviewed Verint call recordings and supported live triage efforts to accelerate incident resolution and customer experience.
* Participated in code reviews and ensured every deliverable adhered to NSA application development standards and security best practices.

**Environment:** 2EE/Java 17, JSP, JDBC, Spring, React, Web Center, Spring MVC, Spring IOC, Servlets, HTML, Bootstrap, Star UML, EJB, Hibernates, Maven, Spring Boot, IBM WebSphere, CVS, SVN, JSON, Eclipse IDE, Selenium, Node.js, Express.js, Oracle 11g, Spring Tool Suite.

**Citibank, Irving, TX June 2022 – April2023**

**Software Developer**

**RESPONSIBILITIES:**

* Developed enterprise-grade applications using Java, Kotlin, Spring Boot, deployed via Docker, OpenShift, and automated with CI/CD pipelines using Jenkins, Gradle, GitHub.
* Built RESTful and SOAP APIs for loan processing with Spring Boot, enhancing modularity, workflow automation, and reducing response time
* Designed real-time data pipelines with Apache Kafka and Spring Cloud AWS; implemented batch processes using Spring Batch for large-scale data transactions.
* Built SPAs using Node.js and Angular, integrated with Spring Boot, Thymeleaf, and Spring Security for secure template-based rendering.
* Implemented authorization and authentication at the GraphQL layer using middleware, roles, and directives to secure data access.
* Automated infrastructure provisioning using Python Boto3 and CloudFormation for ALBs, ECS Clusters, Route 53, and CloudWatch; implemented event-driven workflows with AWS SNS, Lambda, and SQS, and monitored performance with CloudWatch.
* Used Spring Framework AOP Module to implement logging in the application to know the application status.
* Integrating Python APIs to streamline real-time data processing and analytics workflows.
* **Developed DAO layer using Cassandra and** expertise in CQL (Cassandra Query Language), for retrieving the data present in Cassandra cluster by running queries in CQL.
* Experience in performance tuning with Oracle database. Designed and developed file upload and file download features with Oracle BLOB and CLOB.
* Monitored microservices via Spring Boot Actuator, Swagger UI, and dashboards in Grafana, Prometheus, Splunk. And Integrating ServiceNow with backend systems using REST APIs.
* Wrote, debugged, and optimized complex SQL queries and PL/SQL procedures in Oracle to support data validation, troubleshooting, and business operations.
* Used Spring Reactor (Flux/Mono) for non-blocking reactive systems and Akka for concurrent, asynchronous processing in Scala.
* Tested with JUnit, Mockito, TestNG, and Groovy; maintained 90%+ coverage for both React and Angular applications.
* Managed Terraform IAM policies using Avenue CLI; automated deployments with Bitbucket Pipelines.

**Environment:** Java 1.8, Netbeans7.1.2, IntelliJ IDEA, jQuery, Spring 4.0, Web Services, Oracle 11g, DB2, SQL, MVC, Jersey, JSON, HTML5, CSS3, Unix, Linux, Log4j, JUnit, STS, Apache Tomcat, Gradle, Bitbucket, JIRA, EC2, S3, VPC, SQS, SNS, SWF, IAM, EMR, Cloud watch, MongoDB, AWS Lambda, Postman.

**State of Tennessee, Nashville                                                                              Jan 2022 – June 2022**

**JAVA/J2EE DEVELOPER**

**RESPONSIBILITIES:**

**Project:** Tennessee Eligibility Determination System (TEDS) is a modernized platform for Medicaid eligibility determination and appeals processing. It has multiple applications – Worker Portal, Member Enrollment Module (a separate solution in the MMIS)(Interfaces), Portal for TennCare staff to manage applications, renewals, and appeals, Member Portal for users to apply for coverage and report changes, Partner Portal for authorized stakeholders, and Member Enrollment Module for tracking eligibility.

* Worked on the TennCare Eligibility System to determine Medicaid eligibility based on income, age, disability status, and living arrangements.
* Worked with senior developers to design and implement Oracle Policy Automation (OPA) rules using Microsoft Word and Excel plugins.
* Focused on the Eligibility Determination module of a multi-module Java application supporting individual and family benefit requests.
* Developed and exposed Oracle PL/SQL procedures and functions through Java-based SOAP web services, using Oracle SQL Developer to write, debug, and optimize backend logic.
* Tracked and resolved issues using JIRA and developed JUnit test cases to ensure code quality and stability.
* Integrated with MMIS and external systems, streamlining workflows and improving data accessibility for Medicaid workers and members.
* Participated in testing healthcare benefits and presenting new feature demos in a Waterfall development environment.
* Automated build and deployment processes using Maven, supporting consistent delivery and version control.

**Environment:** Java, JSP, Angular JS, Servlet, Spring 2.5, Hibernate 3.0, XML, HTML, Apache Tomcat v6.0, Oracle 10g, Eclipse IDE 3.5.1, CSS, SOAP Web services, JAXB

**AT&T, Dallas, TX                                                                                                   May 2021 – Dec 2021**

**Software Engineer**

* Participated in all phases of SDLC, collaborating with LOB teams and stakeholders to build secure, scalable APIs using Java, Spring Boot, and AWS API Gateway.
* Designed and developed RESTful and GraphQL APIs for AVPS-INLAP, integrating with Google, USPS, and internal AT&T APIs for address and geo-validation.
* Built and deployed cloud-native microservices using Spring Boot, Node.js, and Ajsc7\_jersey, orchestrated on Azure Kubernetes Service (AKS) with container images managed via Azure Container Registry (ACR).
* Implemented CRUD operations using Spring Jersey JAX-RS and Node.js Express, integrating with MongoDB, PostgreSQL, Cosmos DB, and improving performance using Redis for caching and optimized queries.
* Integrated SOAP and REST APIs, handling XML parsing and multi-address matching for USPS endpoints; secured APIs using OAuth2, JWT, AAF, and enforced RBAC via Pivotal Cloud Foundry (PCF).
* Implemented the application modules using **Spring Core layer (IOC), Spring Security, Spring AOP, Spring ORM, Spring Batch, Spring Rest web services**to develop the application.
* Developed and documented APIs using Spring Security and Swagger, enabling seamless front-end integration.
* Built responsive UI components with Angular 8, TypeScript, RxJS, Angular Material, HTML5, CSS, and Bootstrap, leveraging Reactive Forms for dynamic client-side interactions.
* Integrated GraphQL with PostgreSQL and MongoDB, implementing pagination, batching, and caching for efficient data retrieval.
* Implemented CI/CD pipelines using Azure DevOps, Jenkins, Docker, and managed AKS deployment configurations, including ConfigMaps and pod restarts.
* Monitored system health and diagnostics using Log4j, ELK Stack (Kibana), and Azure Monitor, enabling traceability and proactive issue resolution. **Used** Oauth 2.0 authentication protocol respectively for security and authorization.
* Used PostgreSQL tools to explore data, verify records, and understand business logic behind stored procedures and Used Splunk to monitor logs and find application issues.
* Worked with Azure DevOps teams on migrating on-prem systems to Azure, automating provisioning with Terraform and Ansible, and managing bastion host setups, proxy configurations, and API URL whitelisting for secure access.
* Wrote and maintained unit and integration test cases using JUnit, Mockito, and Karate, improving test coverage and performing RCA to reduce incident resolution times.
* Managed builds and deployments using Maven, source control with GitHub, and continuous integration via Jenkins.

**BMC Software, Houston, TX                                                                                      August 2017- April 2021**

**Full Stack Java Developer**

* Developed responsive, data-driven front-end applications using Angular, Bootstrap and legacy technologies like JSP, enhancing UX with dynamic charts, grids, and forms.
* Built SPAs using Node.js and Angular, integrated with Spring Boot, Thymeleaf, and Spring Security for secure template-based rendering.
* Designed and documented RESTful APIs using Spring Boot, Spring MVC, and Swagger2, and Configured Kafka and JMS for asynchronous, real-time communication across distributed microservices.
* Used Spring Framework AOP Module to implement logging in the application to know the application status.
* Used Annotations for Spring DI, Auto wiring and Spring MVC for REST API s and Spring Boot for Micro services.
* Troubleshooting, security, failover and workload management of WebSphere Application Server 5.0 /5.1/6.0, Webservers like IBM HTTP Webserver, Apache Webserver.
* enterprise JEE applications using EJB and Struts, applying design patterns for modularity and maintainability
* Used Hibernate ORM for database persistence, applying lazy loading, inheritance, and transaction management.
* Used Elasticsearch Java High-Level REST Client for indexing, searching, and managing documents.
* Designed and developed REST APIs using Spring Boot with MongoDB as the primary database for handling unstructured and semi-structured data
* Used JSP, JavaScript, JSTL, EL, Custom Tag libraries, Tiles and Validations provided by struts framework.
* Used IBatis for decoupling the mappings from the application logic by packaging the SQL statements in [XML](http://en.wikipedia.org/wiki/XML) configuration files.
* Used Struts-Validator framework for all front-end Validations for all the form entries.
* Developed and automated serverless APIs and workflows using AWS Lambda, integrating with S3, EC2,
* Integrated JBoss Drools for rule-based access validation and business policy enforcement.
* Developed asynchronous REST APIs with Spring WebFlux and Spring WebClient for non-blocking, high-performance data exchange.
* Developed API proxy in APIGEE to make JPM application API’s available to the external systems.
* Used Spring Framework AOP Module to implement logging in the application to know the application status.
* Used Annotations for Spring DI, Auto wiring and Spring MVC for REST API s and Spring Boot for Micro services Designed optimized NoSQL schemas with MongoDB and Cassandra; integrated Drools and JBPM for rule-based decision logic and workflow automation.
* **Used circuit breaker patterns and fail safe in Spring Boot Micro Service applications using Hysteria and monitored the services using Hysteria Dashboard.**
* Integrated SQL-based databases (e.g., MySQL, PostgreSQL, SQL Server) with backend applications using ORM tools like Sequelize, TypeORM, Hibernate, or raw queries.
* Implemented UI with JAVAFX, including custom-build reusable components and transition animation.
* Wrote Action Classesto service the requests from the UI, populate business objects & invoke EJBs.
* Installed and configured application servers (WebLogic, JBoss, WebSphere, Tomcat) and development tools (RAD, Oracle DB, Eclipse) across Windows and Linux environments.
* Designed and developed Caching and Logging service using Singleton pattern, Log4j.
* Used Struts-Validator frame-work for all front-end Validations for all the form entries.
* Coded different action classes in struts responsible for maintaining deployment descriptors like struts-config, ejb-jar and web.xml using XML.
* Managed backend operations using SQL Server, JDBC, and Hibernate, including schema design, query optimization, and stored procedures.
* Experienced in logging with ELK Stack by using Elastic search, Log stash, and Kibana.
* Used developer tools like Firebug for debugging and compatibility, and styled applications with SASS/SCSS and task runners like Gulp.
* Performed unit testing using JUnit, Mockito and automated CI/CD workflows using Maven, Jenkins, and Git.
* Customized Oracle ADF applications using JDeveloper, improving UI responsiveness and usability.

**Studiotale, India                                                                                           May2015- January 2016**

**Java Developer**

**RESPONSIBILITIES**

* Participated in the full SDLC, developing scalable Java-based enterprise applications using Java 8+, Struts, and Spring Boot.
* Fixed issues by checking thread dumps, memory usage, and garbage collection logs.
* Designed and developed web interfaces and business logic using JSP, Servlets, Java Beans, JDBC, AJAX, Java Script, HTML, DHTML and XML.
* Built RESTful and SOAP APIs with JAX-RS, JAX-WS, and Swagger2, handling XML/JSON formats and maintaining API documentation with YAML.
* Used Executor Service multithreading to implement Thread pool, parallel processing to run processes asynchronously using future calls to access the data.
* Implemented Java Web services based on SOA architecture with SOAP and WSDL.
* Implemented batch jobs with Spring Batch and asynchronous messaging using JMS for distributed processing.
* Used Spring Core, Context, AOP, and Hibernate ORM for loosely coupled business logic and database persistence.
* Developed UI components with Struts, JSP, JSTL, and JavaScript frameworks like AngularJS, Node.js, and Backbone.js.
* Wrote efficient SQL queries and worked on relational database design for performance.
* Integrated with Oracle databases via ODBC, ensuring efficient data access.
* Wrote automated tests using JUnit and Selenium WebDriver to ensure code quality and stability.
* Collaborated with stakeholders and documented requirements using JIRA, aligning technical solutions with business goals.

**Environment Java:** JDK 1.5, JSP, JSP Custom Tag libraries, JavaScript, AJAX, XSLT, XML, DOM4J 1.6, DHTML, Web Services, SOA, WSDL, SOAP, JAXB, IBM RAD, IBM WebSphere Application server, IBM DB2 8.1, UNIX, UML, IBM Rational Clear case, JMS, Spring Framework, PL/SQL, JUNIT 3.8, log4j 1.2, Ant 2.7.

**EDUCATION:**

* Masters in information Technology: Wilmington University - 2017
* Bachelors in information technology: Kakatiya university - 2015

**CERTIFICATIONS:**

* AWS Associate 1c11720facad47e8b3d16261f44d897
* AWS Cloud Practitioner 1c11720facad47e8b3d16261f44d8976