**Sai Tharun Madu** 

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**Professional Summary:**

* **Certified AWS Cloud Certified** with around 7 years of experience in working with web-based applications, hands on experience in the analysis, design patterns, development client and server applications, implementing and testing with the use of **JAVA/J2EE** technologies and **Production Support**.
* Experience in Software development life cycle with strong expertise in software analysis, design, development, and implementation of **Java/J2EE** applications.
* Developed applications using **Core Java**, **Servlets**, **JSP**, **JDBC**, **Spring**, **Hibernate**.
* Hands on experience with multiple programming languages, including **JavaScript**, **HTML**, and **XML** and knowledge on **ReactJS**.
* Experience in Core Java concepts such as **OOP** Concepts, **Collections** Framework, **Exception Handling**, I/O System, **Multi-Threading**, JDBC.
* Experience in writing **Junit** test cases using various testing frameworks like **Mockito**, **EasyMock**.
* Experience in working with databases such as **MySQL**, **Oracle** andmanipulated database records using **SQL, PL/SQL** queries.
* Proficient with software development platforms for source code repositories through **GitLab, GitHub, Bitbucket**.
* Experience in Software Development Methodologies like **Agile**, **Waterfall**.
* Good experience with **Splunk** tool for troubleshooting error logs, creating metrics for monitoring health of the application.
* Experience with **Unleash Feature Toggle** tool for creating, configuring, modifying, deleting of feature toggles, and enabling, disabling them in specific/defaulting environments.
* Good experience with **ServiceNow, HPSM (HP Service Management)** tool for tracking the Production tickets, updating the journal notes, creating change records required for deployments.
* Experience in creating, configuring monitoring metrics, setting up alerts during failures for applications using software monitoring platforms like **Dynatrace**, **Grafanna**.
* Good experience in IDEs like **Eclipse, IntelliJ, and Spring Tool Suite (STS)**.
* Good knowledge and experience in **AWS Services** like EC2, Code Commit, Lambda, SQS, SNS, S3, CloudWatch, RDS, DynamoDB, IAM Roles.
* Good communication and strong interpersonal skills to quickly adapt to building strong relationships with the co-workers and the management.

**Technical Skills:**

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| **Languages** | Java, GOSU, SQL, PL/SQL. |
| **Mark-up/XML Technologies** | HTML, CSS, JavaScript, XML, ReactJS. |
| **Tools & Framework** | Spring, Hibernate, Spring MVC, SpringBoot. |
| **Web services** | RESTful, Amazon Web Services (AWS), SOAP. |
| **Web/App Servers** | Web Sphere, Tomcat, WebLogic, Apache Tomcat, PCF, AWS |
| **Build & Deploy** | Jenkins, Maven, Ant, IBM Urban code Deployment, GitLab, GitOps |
| **Database** | MySQL, SQL server, PostgreSQL, DB2, NoSQL. |
| **Development Tools** | Sprint tool Suite (STS), Eclipse, IntelliJ, Visual Studio. |
| **O-R mapping** | Hibernate, JPA. |
| **Modelling/ CASE Tools** | MS Visio Professional. |
| **Testing Framework** | Junit, Mockito, Easy Mock, Karate. |
| **Version Control** | Git, Gitlab, GitHub, Bitbucket. |
| **OS & Environment** | Windows, Mac. |

**Education:**

* Master of Science in information Technology, Southern New Hampshire University. Feb 2018[GPA – 3.8]
* Bachelor of Engineering in Computer Science and Engineering, Osmania University-India. June 2016 [GPA 3.4]

**Professional Experience:**

**State Farm, TX Oct 2018 - Current**

**Java Developer - Microservices**

**Description:**

As a Java Microservices Developer, worked in various Enterprise Projects within State Farm at both Business and Personal Lines Modernization. Worked in End-to-End code development, writing Junit test cases, building pipelines, and deploying them.

**Responsibilities:**

* Developed applications using **Java 8**, **REST API**, **Microservice** architecture and general architecture of **Java** applications, **Guidewire PolicyCenter**.
* Implemented **Spring MVC** framework in presentation tier for all the essential control flow, business level validations and for communication with the Business layer.
* Developed **Springboot** applications for implementing **REST APIs** as an integration layer between the frontend (**ReactJS**) and database.
* Created single web-based applications using **ReactJS** and Java **SpringBoot** as the back end.
* Implemented front-end authentication with native **React Context** and used **useContext** for state management.
* Enhanced **UX** designs for dynamic and browser compatible webpages with **HTML**, **CSS3**, **Bootstrap** and **JavaScript**. Developed web designs using **react-bootstrap** and for styling.
* Developed **Microservices** **Springboot** applications from a monolithic project achieving better maintenance, deployment, and testing.
* Worked on implementation of Cloud specific **AWS** technologies including **IAM, EC2, MFA**, **Cloudwatch** for providing security and monitoring the services.
* Created interface to use third party services using **RESTful** webservice call by sending a **JSON** object and receiving the response by conversion through Jackson.
* Integrated **Spring DAO** for data access using Hibernate to fetch data from database and avoid redundant database access statements.
* Used **Postman**, **SOAPUI** tools for testing the web services to check the request and response.
* Worked on **Maven** to build the applications and deployed them on **WebSphere** Application Server.
* Wrote **JUnit** test cases, for Unit Testing using various test frameworks like **Mockito**, **Easy Mock** andto increase the Code Coverage.
* Implemented **Exception Handlings** logics for handling various downstream exceptions and included **Logger** statements with appropriate logging strategies for better troubleshooting.
* Worked on the **Splunk** tool and setup automated alerts during application failure, created metrics for monitoring the application health, wrote Splunk Queries to filter and get the required results and exported them to Excel Spreadsheet for comparison.
* Worked in **ServiceNow** and **HPSM (HP Service Management)** tools for monitoring the status and tracking the tickets, updating the journal notes, and creating change records required for any deployments**.**
* Worked in the **Production support**, troubleshooting production tickets using various troubleshooting tools like **Splunk**, **Dynatrace** for checking the logs, stack trace and resolving them according to the given priority.
* Setup automated alerts for the application using **Splunk** and **Dynatrace** during any service failures, also created health monitoring metrics for the applications.
* Worked on **IBM Urban Code Deployment** for configuring our application and deploying them, also repackaging and redeploying whenever there is any server failures.
* Built **Gitlab** and **GitOps** pipelines for **CI/CD** deployments with various stages included within pipeline like creating new version, run the build, checks for Dependency and Static Scans, create a release branch, and deploy to specified environments.
* Used **STS** (Spring Tool Suite) **IntelliJ** IDE and **Visual Studio** **Code** for the code development.
* Used **VersionOne** tool for tracking/updating day to day work status, checking backlog items.
* Worked along with the Product Owner, Business Analyst and Scrum Master in gathering new requirements and enhancements for the product development.

**Environment:** Java, Spring Boot, AWS, Spring MVC, JSON, Maven, Junit, WSDL, SOAP UI, Postman, ServiceNow, HP Service Manager, Splunk Tool, REST API, Log4j, WebSphere, Apache Tomcat, Grafana, Dynatrace, Pivotal Cloud Foundry, JFrog, Snyk Vulnerability Tool, Swagger Editor, Unleash Feature Toggle, IBM Urban Code Deployment, Version One, Spring Tool Suite, IntelliJ, Visual Studio Code.

**T-Mobile, WA Aug 2017 – Sep 2018**

**Java Developer**

**Description:**

As a Java Developer, worked in the Documents team developed REST APIs to retrieve Billing specific documents and display them on the Screen. Worked in End to End development that includes from feature discussion to the code deployment to Production environment.

**Responsibilities:**

* Developed applications using Java technologies like **Java**, **JSP**, **Servlets**, **Multithreading**, **JMS**.
* Designed and developed business components using **SpringBoot**, **Spring Dependency Injection** (Core), **Spring AOP** and Spring Annotations.
* Designed and developed **REST** and **SOAP** web services for integrating with the consumers and UI.
* Implemented **Restful** and **SOAP**-based web services using for **JAX-RS** and **JAX-WS** respectively.
* Focused on **Test Driven Development** thereby creating detailed **JUnit** tests for every single piece of functionality before writing the functionality.
* Used **Maven** to build the application and deployed it on **WebSphere** Application Server.
* Used Spring Data Framework to use the features of **Spring JDBC** and **Spring ORM** classes like JDBC Template and Hibernate Template to perform the database operations by connecting to Data sources available.
* Creating **SQL** queries, **PL/SQL** stored procedures, functions for database layer by analyzing the required business objects and validating them with stored procedures.
* Implemented the authentication and authorization of the application using **Spring Security** and **Oauth2**.
* Worked on **WSDL** Schema changes for SOAP service whenever any new elements or being added/updated and provided the updated **WSDL** to the consumers.
* Worked on Swagger file changes for REST API service, updated attributes, and tested them using **Swagger UI**.
* Developed health metrics for the services using **Splunk** tool and created Automatic Alerts using exceptions when there is any failure.
* Used **Rally** for addressing issues and more, with a focus on planning, tracking, and collaboration with tasks on individuals.
* Used **IntelliJ** and **STS** for developing code modules in the development environment.

**Environment:** Java, JSP/Servlet, Java Script, Spring Boot, Spring MVC, JSON, REST API, SOAP, Splunk, Swagger, Swagger UI, Maven, Junit, WSDL, SOAP, REST, Log4j, HTML5, WebSphere, IntelliJ, STS.

**Relgo Networks Pvt Ltd, Hyderabad, India Mar 2016 - Sep 2016**

**Jr Java Developer**

**Description:**

Worked as a Jr Java Developer Involved in the analysis, design, and development and testing phases of Software Development Lifecycle (SDLC) using Agile and Waterfall methodology.

**Responsibilities:**

* Extensively used various **J2EE** design patterns like **Factory**, **Singleton**, Data Access Objects facilitating clean distribution of roles and responsibilities across various layers of processing.
* Developed graphical user interfaces by using **JSP, HTML, CSS**, and **Javascript**.
* Worked on thread handling to maintain continuity of execution and extensively implemented **Multithreading** concept to handle transaction management with isolation and propagation levels.
* Extensively used the core **Spring MVC** framework for dependency injections of components.
* Implemented the caching mechanism in **Hibernate** to load data from **Oracle** database.
* Worked on the front-end validation through **Javascript** and back-end validation using Spring validation classes.
* Worked with **Servlets** and **Struts** based multitier applications in developing J2EE components.
* Implemented data access objects (DAO) for database interactions using **JDBC** and **Hibernate**.
* Responsible for Unit Testing with **Junit**, integration testing of software and making sure the code coverage requirements are being met.
* Used **log4j** to log messages depending on the messages type and level.

**Environment:** Java, Spring MVC, JSP, HTML, Struts, Servlets, JSP, HTML, CSS, JavaScript, XML, Apache Tomcat, Junit, JDBC, Hibernate, log4j, SOAP.