**GOPAL SIDDIREDDY (H1B)**

**Email: gopals1587@gmail.com**

**Phone: +1(515) 635-4717**

**LinkedIn**: [linkedin.com/in/pavan-siddireddy-59079720b](https://www.linkedin.com/in/pavan-siddireddy-59079720b)

**Java Full Stack Developer**

**PROFESSIONAL SUMMARY:**

* **7 years of Agile Java Developer** experience in all stages of Software Development Life Cycle (**SDLC**)**,** referring to **design, development**, **testing** and **deployment** of **web-based and Enterprise business** applications using **OOPs**, **Java/J2EE technologies**.
* Hands on experience in the implementation of **Core Java SE 8** concepts like **Streams API, Lambda functions, Generics, Time API, Functional Interfaces Multithreading, Transaction Management, Exception Handling and Collection API.**
* Expertise in developing **Micro services** using **Spring Boot** to build more physically separated modular applications which will improve scalability, Availability, Agility of application.
* Expertise in creating Databases, Tables, Stored Procedure, **DDL/DMLTriggers**, **Views**, User defined data types (UDT), Cursors, Functions, data dictionaries, and maintaining data integrity and Indexes using SQL.
* Proficient in implementation of **spring frameworks** like **Spring MVC, Spring IOC, Spring REST, Spring AOP, Spring transaction Management, Spring Data, Spring DAO, Spring Batch, Spring Security and Spring Boot.**
* Expertise in ORM tools **Hibernate 2.0, 3.0, 4.0** with **JPA specifications, HQL, Caching, ACID transaction.**
* Hands on Experience in working with Databases **MYSQL, Oracle 10g/11g, SQL-Server, DB2 and NoSQL.**
* Hands on experience in Integrating Flume with Kafka and Worked on monitoring and troubleshooting the **Kafka-Flume-HDFS** data pipeline for real-time data ingestion in HDFS.
* Good knowledge of **data structures, algorithms**, and **object-oriented programming**.
* Hands on experience with build tools like **ANT**, **Maven, Gradle** and logging tools like **Log4J.**
* Expertise in unit-testing with tools like **JUnit, Mockito, Spock, TestNg** and **Integration testing** tools like **Selenium Web Driver, Cucumber (Behavior Driven Development testing).**
* Implemented **Docker container service,** build pipeline like **Jenkins**, **Bamboo** for Continuous Integration and Continuous Deployment that can run on the cloud or on-premises.
* Good knowledge in JavaScript Task Runner like **Gulp, Grunt** for minification, compilation, unit testing.
* Experience in software configuration management using **CVS, SVN and GIT**.

**TECHNICAL SKILLS:**

|  |  |
| --- | --- |
| **Java/J2EE Technologies** | Servlets, JSTL, JDBC, JMS, EJB, AWT, Applets, Multi-threading, Java Networking |
| **Programming Languages** | Java, C++, C, SQL, PL/SQL |
| **Application/Web Servers** | IBM WebSphere, JBoss, Apache Tomcat |
| **Frameworks & API’s** | Struts, Spring, Spring Boot, Hibernate, JSF, JPA. |
| **IDE’s** | Intelliji, Eclipse, Net Beans |
| **Web technologies** | JSP, JavaScript, jQuery, AJAX, XML, XSLT, HTML, DHTML, CSS, JSON, Spring MVC, Angular JS, Angular 2.0,4.0.6.0, NodeJS |
| **Debugging Tools** | Firebug, Chrome |
| **NoSQL database** | MongoDB, |
| **Web Services** | JAX-WS, JAX-RPC, JAX-RS, SOAP, REST |
| **XML Parser** | JAXB, Apache Axis, DOM |
| **Methodologies** | Agile, RUP, TDD, OOAD, SDLC |
| **CI/CD Tools** | Jenkins, XL Release, Hudson |
| **Modeling Tools** | UML, Design Patterns, |
| **Databases** | Oracle, DB2, SQL Server, MySQL |
| **Version Control** | CVS, GIT, SVN |
| **Build Tools** | ANT, Maven, Gradle, Jenkins |

**PROFESSIONAL EXPERIENCE:**

**Client: JPMorgan Chase & Co, Houston, Texas Jun21 to Till Date**

**Role: Java Full Stack Developer**

**Responsibilities:**

* Responsible and active in the analysis design implementation and deployment of **full software development** life cycle **SDLC** of the project.
* Developed Restful microservices using **Spring, Spring Boot, Spring Batch** and **Java 8** based on the requirements.
* Configuring **Eureka service discovery** to dynamically discover the REST based micro services.
* Using **Spring cloud Hystrix** for fault tolerance of micro services.
* Implemented Spring boot microservices to process the messages into the **Kafka cluster** setup.
* Used **Spring Kafka API** calls to process the messages smoothly on **Kafka** Cluster setup.
* Developed Single Page Applications (SPA) using **Angular 9**, Typescript, HTML5, CSS3, and Bootstrap 3.
* Used various Core Java concepts such as **Exception Handling**, **Multithreadin**g and **Collection APIs** to implement various features and enhancements.
* Developed complex nested components for reuse such as Pop-Up, Navigation.
* Integrated **Spring Security** to validate the users.
* Used **Resilience4j** framework for resilient and fault-tolerant applications to prevent time out or broken connections, network glitches.
* Worked with **Threads**, **Multithreading**, **Synchronization** and **Collection API**.
* Handed on **Spring FTP Integration** for transferring data to remote **FTP server**.
* Experience manage/scale/deploying applications to Internal **cloud foundry**.
* Used Collections extensively to **store, retrieve and manipulate objects** in the **business logic layer**.
* Experience on **SONAR** and **PMD Tools** to ensure **Product Code Quality** and Process Improvement
* Used Maven as a build tool and **Jenkins** for monitoring the build status of the project.

**Client: Delta Dental Insurance, Des Moines, Iowa Jun19 to April21**

**Role: Full stack Java Developer**

**Responsibilities:**

* Developed User Interface view with **Spring MVC** and jsp as a **Service Oriented Architecture (SOA)** application.
* Used **HTML5, CSS, jQuery, Ajax** and performed client-side validations using **JavaScript**.
* Implemented **AngularJS** as the framework to build a **single-page application (SPA).**
* Implemented **Multithreading** for handling multiple requests and for **high performance**.
* Developed Restful microservices using **Spring, Spring Boot, Spring Batch** and **Java 8** based on the requirements.
* Implemented Internationalization using **Spring MVC Interceptors, Spring core modules and native Spring AOP facets** of **Logging and transactional management**.
* Closely worked with **Kafka** Admin team to set up Kafka cluster setup on the QA and Production environments.
* Had knowledge on **Kibana** and **Elastic search** to identify the **Kafka message** failure scenarios.
* Implemented to reprocess the failure messages in Kafka using offset id.
* Worked on creation of custom **Docker** container images, tagging, pushing images, integration ofSpring boot.
* Deployed all the microservices into **AWS**. Verified the deployments by testing the API using web service testing tools like Soap-UI and Postman
* Wrote **Hibernate** Criteria queries for data retrievals and have performed the **ORM mappings** to map java entities to database tables.
* We kept up **bean life cycle** by utilizing **Spring IOC** which keeps up session information of beans.
* Implemented persistence layer using **Hibernate** that uses the **POJOs**.
* Configured multiple data source using **Hibernate Session Manger.**
* Implemented **Hibernate** Template to great extent making use of **HQL, Named Parameters, Named Queries and interfaces** such as **Expression, Query and Criteria**.
* **DB2 database** used to load the application data and written **PL/SQL** procedures, complex queries to perform various data operations.
* Developed **SOAP** web services using **JAX-WS** and persistence using **Hibernate** and **JPA** framework.
* Developed **SOAP** Services and **Web Service Clients (JAX-WS)** with data representation in different formats such as XML.
* Used **Spring Security framework** for login authentication, password hashing. Worked on **Java Message Service (JMS) API** for developing message-oriented middleware (MOM) layer for handling various asynchronous requests.
* Implemented **Spring Dependency Injection (IOC)** feature of spring framework to inject beans into User Interface and **AOP** for **Logging**.
* Build a **CI/CD pipeline** using **Jenkins automation** and **GitHub repositories** using web hooks plugin.
* **JIRA** tool for project management used in the application to tack bugs, issues and project management functions.

**Client: PAYPAL, AUSTIN, TX Jun2018– May2019**

**Title: Java full stack Developer**

**Responsibilities:**

* Implementation of the design wireframe using **Angular 6** and creating services and exposing it to the backend which runs on **Spring Boot**. Here we also have another layer that makes use of NodeJS mainly used for authentication, authorization and session maintenance.
* Strong understanding on client-side application and very good at attaining the architectural design for **MVC** using **directives, promises and pipes**.
* Involved in webservices design and development. Responsible for creating and consuming web services using **REST**.
* Implemented Java EE components using **Spring MVC**, **Spring IOC**, **Spring transactions** and **Spring security** modules.
* Integrated the **ORM Object Relational Mapping** tool **hibernate** to the spring using **Spring ORM** in our app and used spring transaction API for database related transactions.
* Configured **JPA** to use **Hibernate** as **ORM** tool.
* Extensively used **Spring IOC** configured **Application Context** files and performed database object mapping using **Hibernate** annotations.
* Implemented transaction management using **Spring AOP** and used **Spring Aspects** for implementing logging functionalities.
* Implemented Spring Validators, persistence layer, and service layer components using **Spring/Hibernate API** and **Spring/Hibernate** annotations. Extensively used **Hibernate QL**.
* Implemented **PL/SQL** queries and used **Oracle** stored procedures.
* Developed and configured **JMS** components in **WebLogic Application Server**.
* Developed test cases for each component in different panels using JUnit, reported and deployed using **Jenkins**.
* Building cloud Microservices and implemented back-end using **Spring Boot**. And Authored application using **Spring Cloud services** (spring version of **Netflix OSS-Eureka** that helps in routing, **Circuit Breaker** and **Ribbon** for client-side load balancing).
* Used **Docker Container** to address every application across the hybrid cloud and Docker for better collaboration and innovation.
* Designed and developed the framework to consume web services hosted in **Amazon EC2 instances**.
* Developed some test suites for Automation testing using **Selenium.**

**Client: Kansas City Southern (KCS), Kansas City, MO Jan2017- May2018**

**Role: Java Developer**

**Responsibilities**

* Involved in developing user interface with **HTML5, CSS3, SAAS, JSON, AJAX**, **React JS**, **Type script, Es6** and on server-side Technology with **Node JS.**
* Used **Bootstrap** front-end framework for faster and easier web development. Design website and maintain the website content up to date.
* Create, edit and maintain sites implementing responsive design & themes using front-end development frameworks including **Bootstrap.**
* Used **OAuth 2** which is a lightweight authentication framework with a central authorization server and generates an **access token** to access a protected resource on a resource server.
* **OAuth 2** simplifies all the communications between the client, server, and content provider.
* Developed some standalone **Micro services** using **Spring Boot** micro service architectural patterns
* Documented **Spring RESTful APIs** with **Swagger** to help customers better understand APIs.
* Experienced in working with **Babel** and **Webpack** in application build and deployment processes.
* Worked on creation of custom **Docker** container images, tagging and pushing the images.
* Designed and developed **Spring Boot** adapter applications using **rest API**.
* Designed, configured and deployed **Amazon Web Services** (**AWS**) for a multitude of applications utilizing the Amazon Web Services focusing on high-availability, fault tolerance and auto-scaling.
* Used **MAVEN** for building the project, dependency and documentation which is based on **POM** (project object model).

**Client: 3i infotech, Hyderabad, India. Apr2015 –Dec2015**

**Role: Java Developer**

**Responsibilities:**

* The application is designed using J2EE design patterns and technologies based on MVC architecture.
* Involved in various phases of Software Development Life Cycle (**SDLC**) and Agile methodology is used for development of the application.
* Used J2EE design patterns like **Value Object Pattern, Session Façade, Singleton, Factory and DAO.**
* Created Stored Procedures & Functions. Used **JDBC** to process database calls for **Db2** Server database.
* Involved in writing **PL/SQLStored Procedures**, Functions, Triggers and Views for SQL database.
* Developed back end interfaces using PL/SQL packages, stored procedures, functions, procedures, anonymous PL/SQL programs, Cursor management, Exception Handling in PL/SQL programs.
* Implemented persistence layer with **iBATISORM**.
* Involved in designing the user interfaces using **JSPs**.
* Used **Eclipse** for developing **JSPs**, **Servlets**, **Struts** and with **IBM WEB SPHERE** server in the development phase.
* Implemented **Service Oriented Architecture (SOA)** and web services using **SOAP** with **JAX-WS.**
* Used **SOAP** for transmission of large blocks of **XML** data over **HTTP**.
* Involved in the development of underwriting process, which involves communications without side systems using **IBM MQ & JMS**.
* Wrote Unit test cases using **JUnit & Mockito** framework.

**EDUCATION:**

* Master of Science in Computer Science, **University of Central Missouri,** **USA**. **(2018)**
* B’Tech in **ECE,** JNTU K University, **India. (2015)**