**POWMYA**

**powmyaraj00@gmail.com**

**Full Stack Java Developer**

**(630) 286-9499**

**PROFESSIONAL SUMMARY:**

* Skilled IT professional with around **8+** years of experience in software design and **Core Java/J2EE** development. Involved in **Agile Software Development Team** using **SCRUM**, **Test driven**
* **development (TDD),** **Behaviour driven development (BDD)**, incremental, and Iteration methodology.
* Very Strong understanding of **Object Oriented Design** and experience with complete software development life cycle experience such as Requirements gathering, Conceptual Design, Analysis,
* Detail design Development, System and User Acceptance Testing.Good knowledge of Working on **cloud Amazon Web Services (Amazon EC2, Amazon S3, Amazon simple DB, Amazon Elastic Load Balancing, Amazon SQS, Amazon EBS and Amazon cloud front**).
* Expertise knowledge of creating instances using **Amazon EC2** and using **lambda server** less programming.
* Proficient in using **AWS Elastic Beanstalk** for handling capacity provisioning and monitoring application health.
* Experience with building **event-driven** applications with **Apache Kafka** and **AWS** Kinesis.
* Hands-on experience in configuration, deployment, and support of highly scalable and fault-tolerant systems in**, VPC**, **Route53, Cloud Watch, Cloud Front, Cloud Formation, IAM, AMI, Glacier, RDS, Elastic Cache, DynamoDB, SNS, SQS, MediaConverter, EMR, ELB, Autoscaling, Lambda, EKS, Security groups, Simple Email Services,** Simple Notification Services.
* Experience in configuring and setting up **Microsoft Azure Hybrid** connection to pull data from **SAP** systems.
* Proficient in creating solutions **Architecture** based upon **Microsoft Azure PaaS** service.
* Strong working knowledge on deploying the **pivotal cloud** foundry to deploy **PAAS** (Platform as a service) **, IAAS** (Infrastructure as a service) and to run own applications.
* Additionally, they should be familiar with **ITSM** tools and frameworks, such as **ServiceNow**, **BMC Remedy,** and **HP** Service Manager, and be able to integrate these tools with **Java**-based applications.
* Extensively Java collections with different classes and interfaces including **List, Array List**, **Hash Map, Hash Set**, and **Tree Map**.
* Used Hibernate, **object relational mapping** (ORM) solution, technique of mapping data representation from **MVC**model to **Oracle Relational data model with an SQL-based schema**.
* Knowledge on **JPA Hibernate** and spring to perform **CRUD** operation with **MySQL and Oracle**.
* Followed **Waterfall**, **Agile** methodologies like **Test Driven Development** (TDD), **Scrum**, and Pair Programming.
* Proficient in implementing design patterns like **Singleton**, **DTO, DAO, Factory, Session Facade, Front Controller Service Locator**using**Struts framework.**
* Experience in using **React JS components, Forms, Events, Keys, Router, plus Redux, Animations**and **Flux concept**.
* Expertise in front end development and design using **Servlets, Ajax, bootstrap**and **JUNIT.**
* Good Experience in **React JS** for creating **interactive UI's** using One-way data flow, **Virtual DOM, JSX, React Native** concepts.
* Strong **MERN** stack (**Node.js, ExpressJS, ReactJS, and MongoDB**) experience for full-stack development.
* **TypeScript** is built on top of **JavaScript**, so it can be used in any JavaScript environment, including **Node.js** and the browser.
* Experience in working on modern **MEAN** Stack **MongoDB, Express JS, AngularJS, ReactJS and NodeJS.**
* Implemented **Angular 5** services to connect the web application to back-end **APIs** to **POST/GET** the data.
* Experienced in **RDBMS** design, **DB2**, **DB normalization**, **ER modeling**, **SQL**, **PL/SQL**, Procedures, Cursors, Functions, Triggers and good understanding in **creating SQL and NoSQL Querie**s in **Oracle**, **MySQL**, **MongoDB**, Cassandra databases.
* Experience on working with Cloud Computing Service environment like **Amazon Web Services** (**AWS**) and managed AWS like **EC2, S3 bucket**, Virtual Private Cloud (**VPC**) through **AWS** **Console** and **API Integration**.
* Involved in building and deploying **ANT/ MAVEN** scripts for deployment and customizing **WAR/ JAR** file management for web applications.
* Hands on experience in **AWS**infrastructure on various resources **IAM, EBS, Security Group** and **Auto Scaling**in Cloud Formation **JSON** templates and some internet technologies including TCP/IP and **HTTP**.
* Experience in using bug/issue tracking, project Tracking and Management tool **JIRA**.
* Experience with **Kafka** Message Queues, Rabbit MQ and performing analytics for streaming data in real time using **Apache** Spark
* Expert in development of company´s internal CI system, providing a comprehensive API for **CI/CD**.
* Experienced in developing **Microservices** applications using **Spring Boot, Spring Batch, Spring IOC, Spring Integration, and Pivotal Cloud Foundry.**
* Microservices have been built using **spring boot**, **spring security** and deployed to **AWS** cloud
* Experienced in working with **ORM** tools like **Hibernate** and using **JPA** (Java Persistence API) frameworks and **APIs**.
* Hands on experience on different **IDEs** such as **Eclipse**, **Spring Tool Suite** and deployment using application servers and web servers like **Apache Tomcat, BEA WebLogic, IBM Web Sphere.**
* Primarily used with **version control systems such as GIT, SVN.**
* Strong experience in using **Inheritance, Caching Strategies, Mapping Strategies, Annotations**, JPA Annotations with **Hibernate**.
* Developed **JMS** messaging components to handle asynchronous messaging from queues using **Tibco EMS** and **Spring JMS.**

 **TECHNICAL SKILLS:**

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| **Languages** | C++, Java, J2EE, SQL, PL/SQL |
| **J2EE Technologies** | Servlets, JDBC, JSP, JSF, JMS, EJB, JNDI, Java Security |
| **Web/XML Technologies** | HTML5, CSS3, JavaScript, JQuery, Ajax, Angular-JS,4,6,10,11, XML, XSD, XSL/XSLT, SAX/DOM, JSON, React |
| **Tools & Framework** | Struts, Spring, Hibernate, Spring MVC, Spring Web Flow, Spring IOC, Spring AOP, Spring Boot, JSF, JUnit, SOAP UI, MERN, ANT, Maven, Jenkins, Apache ActiveMQ, Apache Camel, OAuth2.0 & Selenium. |
| **Web services** | SOAP, UDDI, WSDL, JAX-RPC, Restful, JAX-RS, JAX-WS, JAX-B, Axis2,MicroServices. |
| **Web/App Servers** | IBM Web Sphere, Apache Tomcat, JBoss, Web Logic Server. |
| **Database** | Oracle, SQL-Server, MySQL server, TOAD, MongoDB/NoSQL. |
| **IDEs** | Eclipse, IntelliJ, Spring Tool Suite(STS), RAD. |
| **O-R mapping** | Hibernate, MyBatis. |
| **Modelling/ CASE Tools** | Rational Rose, MS Visio Professional. |
| **Testing Tools/ Others** | JUnit, Mockito, Soap UI, Putty, Rational Clear Quest, RTC, StarTeam. |
| **Version Control** | Tortoise SVN, CVS, Rational Clear case, GitHub. |
| **OS & Environment** | Windows, Sun Solaris, UNIX, Linux. |
| **Build & Containerization Tools** | Ant 1.7, Maven 2.x, Gradle, Docker, Kubernetes & Heroku. |
| **Cloud Environments** | AWS, Azure, GCP |

**EDUCATION:**

 Master’s of science in Information Technology

 from **Valparaiso University** in Dec **2022**.

**PROFESSIONAL EXPERIENCE:**

**Prudential Financial, NY Dec 2021 – Present**

**Sr. Full stack Java Developer**

**Responsibilities:**

* Involved in all the phases of **SDLC** (**Software Development Life Cycle**)using the **AGILE Scrum** Methodology.Actively involved in **mock screens** development and project start-up phase.
* Migrated a multi-page user experience into a single page app, improving customer engagement.
* Expand features, refine code, and improve processes, producing smoother operations and enhancing user engagement.
* Developed new screens to the application using **HTML5**, **CSS3**, **JSP**, **JavaScript** and **AJAX**.
* Designing frontend within object-oriented **Javascript** frameworks like **Angularjs.**
* Developing single page applications using **Angular 11, Typescript, HTML5, CSS3,** and **Bootstrap.**
* Created Typescript reusable components and services to consume REST API's using.
* Experience in working on modern **MEAN** Stack **MongoDB, Express JS, AngularJS, ReactJS and NodeJS.**
* Using **UI Bootstrap** coupled with **AngularJS** to create popovers, **Modal Windows**, Alerts and Accordions to give the site expressive and dynamic functionality.
* Made sure Routing in **Angular 2** application is appropriate which helps wiring views together.
* Used **AngularJS** Expressions and **Scope object** to bind data and controller with views.
* Working as full-stack **Nodejs** and **React** developer.
* Have developed single-page applications using full-stack **Nodejs+Reactjs** web development tool.
* Developed single page application (SPA) using **ReactJS, Redux and Axios.**
* Created custom reusable **ReactJS** components Strictly adhered to the UX design and worked on implementing same and also worked closely with the **UX** **designer** to make any changes that was necessary.
* Created component and developed functionality using **ReactJS.** Used Material UI for theming and styling and used **ReactJS** developer tools and **Redux** dev tools.
* Worked on **Visual Studio code** to run the application in the local using **npm** commands.
* Extensively used **Node JS, NPM modules** (HTTP, FS, Express, Grunt, Bower, FS)
* Designed the **API** structures with **Nodejs** running on Nginx. Managed Amazon redshift clusters such as launching the cluster by specifying the nodes and performing the data analysis queries.
* Used **Springboot** for creating decoupled architecture.
* Removed all the **XML based** configurations required to build the **MVC** aKAFpplication and maintained in the classes using **Spring Boot.**
* Used popular **Nodejs** frameworks like **Express** and **Restify** to mock **RESTFul API.**
* Implementing or exposing the Microservices based on **RESTful** API utilizing **Spring Boot** with **Spring MVC.**
* Deployed applications to cloud platforms like **AWS** or **Heroku**, utilizing containerization technologies like Docker for scalability and ease of deployment.
* Wrote **Microservices** to export/import data and task scheduling and **Spring boot**, Spring and Hibernate in the Micro services and Swagger API for **Microservices**.
* Used **Microservice** architecture with **Spring Boot** based services interacting through a combination of REST and **Apache Kafka** message brokers and also worked with **Kafka Cluster** using **ZooKeeper**.
* Involved in Design and implementing REST services using Spring Boot application.
* Used spring framework for integrating the **MVC** components with business services.
* Worked on **Spring MVC** Architecture for web applications.-
* Responsible for writing/reviewing server-side code using **Spring** **JDBC** and **DAO** module of spring for executing stored procedures and **SQL** queries.
* **Hibernate** is an object-relational mapping (ORM) tool for Java, which provides a framework for mapping Java objects to database tables and vice versa.
* **Backbase** is a software company that offers a digital banking platform.
* Developed **Web services** for the services to get the data from external systems to process the request from client sides.
* **Spring Boot** is a framework for building Java web applications. It simplifies the process of configuring and deploying web applications by providing a set of opinionated defaults and a wide range of libraries and plugins.
* Used **JSON** for validation, documentation data required by a given application.
* Built scripts using **MAVEN** that compiles the code, pre-compiles the **JSP's**, built an EAR file and deployed the application on the WebLogic application server.
* Wrote **SQL** queries for **AWS** Database.
* Used **AWS** S3 for multipart upload of data and to host static web content in AWS Cloud.
* Designed and created the **NoSQL DynamoDB** database to store the application data. Designed and developed the **Amazon EC2** instance to copy the file from mainframe to cloud, process and store it in **DynamoDB.**
* Ability to integrate **API** proxies with various **Backend Systems**, including on-premises systems, cloud services, and databases.
* Working with serverless computing services such as **AWS** Lambda or **Azure** Functions, and the ability to build and deploy serverless applications using Python.
* Danalytics tools and frameworks such as Pandas, NumPy, and Matplotlib, and the ability to work with big data technologies such as **Amazon** EMR, **Azure HDInsight.**
* DevOps principles and experience with **CI/CD** pipelines, infrastructure as code, and automated deployment tools such as **Terraform**, Ansible or **CloudFormation**.
* Involved in developing **RESTful APIs** and microservices using Python frameworks like Flask or FastAPI, and integrating them with cloud services like **AWS API** & **Azure API** Management.
* Working with machine learning frameworks such as TensorFlow, PyTorch or Scikit-learn, and the ability to deploy and manage machine learning models in the cloud using AWS SageMaker or Azure Machine Learning.

**Environment:** Core JAVA, J2EE, JSON, JSP, MAVEN, Eclipse, Hibernate, Spring MVC, Spring IOC, Spring Transaction, Spring Security, Spring Boot, Spring JDBC, MERN, ZooKeeper, JavaScript, HTML5.0 , CSS3, AJAX, Web services, SOAP, RESTful, Oracle, Web Logic, Apache Kafka, Kafka Cluster, WSDL, DAO, SQL, SOAP, WSDL, SOAP UI, LOG4j, GIT, AWS S3

**Express Scripts, New Jersey US. Nov 2019 – Aug 2021**

**Sr.Java Developer**

**Responsibilities:**

* Responsible for all stages of design, development, and deployment of applications.
* Active role in **Test Driven Development** termed as **TDD** apart from Agile Software Development.
* Collaborating through **Paired Programming** to jointly develop a high-quality software solution. They are utilizing agile methodologies, continuous integration, and test-driven development (TDD) to ensure code quality, maintainability, and scalability.
* **Design patterns** are general reusable solutions to common software design problems. They provide a standard vocabulary and structure for discussing and implementing software designs.
* Used **NodeJS** to offer an easy and safe way to build high performance and scalable application.
* Worked on **Java 1.8** features such as **Lambda Expressions** for making anonymous inline function calls by using Functional Interfaces which makes code readable and concise.
* Analyze business requirements and develop various business delegates to integrate with Middleware services like **JAX-WS** using **SOAP** and **REST**.
* Worked on **Rest** Web services for backend services used **Oracle** for database services and **RESTful** web services using Jersey for **JAX-RS** implementation.
* Developed **Restful** Web services for other systems to interact with our system and secured the service with **Spring-Security** and **Oauth-1.0**.
* Used **Spring MVC** components to implement business layer and **Spring** Boot for **Micro-services**.
* Used the **Spring IOC** feature to get Hibernate session factory and resolve other bean dependencies also used Spring framework **AOP** features and **JDBC** module features to persist the data to the database for few applications.
* Experience in working on modern **MEAN** Stack **MongoDB, Express JS, AngularJS, ReactJS and NodeJS.**
* Integrated **MongoDB** as the **NoSQL** database to store and manage application data efficiently, ensuring scalability and high performance.
* Implemented user authentication and authorization using **JWT (JSON Web Tokens**) to ensure secure access to application resources.
* Utilized **Redux** or Context **API** for state management, improving the efficiency and consistency of data flow within the application.
* Utilized **spring core**, **AOP** and **security** to build robust business operations with transactional support.
* Configured **hibernat** e with **Spring ORM** as part of **spring** and **Hibernate** Integration for best results.
* Developed the data access classes using **JDBC** and **SQLquerylog4j** for logging and **SVN** for version control.
* Sound knowledge in SQL within **Oracle, MySQL, MS-SQL Server.**
* Implemented the function to send andreceive **AMQP**messages on **RabbitMQ**synchronously and asynchronously, and send **JMS**message to **Apache Active MQ**on the edge device.
* Developed unit and integration tests for existing micro services using **JUnit, Mockito** and **Docke**r environments.
* Some key concepts to focus on when learning **shell scripting** include variable declaration and manipulation, conditional statements, loops, command-line arguments, regular expressions, and error handling.
* Developed and Implemented **ANT** and Scripts to automation of build process on **MAVEN** build tools to test the application manually and run the **JUNIT** Test suites.
* Developed **ANT** scripts to build and deploy the application in the **WebSphere Application Server.**
* Used **JIRA** tool for Issue/bug tracking, monitoring of work assignment in the system
* **Log4J** was used to monitor the error logs and used **GIT** as version control tool.

**Environment:** Java 1.7, RCP, AWS SDK, Git,Splunk,Swing, JFC, Spring, Hibernate, Core Java, SOAP/Rest, Web Services, JavaScript, UML, Bower, DynamoDB**,**MERN, BLAZE**,**HTML5, CSS3, SASS, Sonar, WAS 8 WSDL, JIRA, JAX-WS, JAX-RS, MYSQL, JMS, Oracle, Angular2, WebSphere, Spring, Spring Boot, Spring Batch, AJAX, jQuery, JUnit, Maven, ACTIVE MQ, Rabbit MQ.

**Flipkart, Banglore, India July 2017 - OCT 2019**

**Java/J2EE Developer**

**Responsibilities:**

* Involved in vital phases of **Software Development Life Cycle (SDLC)** like Requirement analysis, Design and Code Development and Implementation by using the conventional **Waterfall** methodology.
* Involved in creating and developing presentation layer and responsible for development of GUI framework in JSP. SQLClientside validations were done using JavaScript and Ajax.
* Specifications involving Core **Java 8, J2EE, JSP, JSTL, Servlets, AJAX, JavaBeans, Spring MVC, UML** and **XML.**
* Implemented OO Design Concepts, **Exception handling, Identifying** and **Fixing Potential Memory**, **Performance, and Transactional** issues throughout the application.
* Used **HTTP Servlet** to track sessions of the users visiting the web pages.
* Web services were developed utilizing conventional web protocols such as **XML, SOAP,** and **HTTP.**
* Integrated and Configured **Data Access Object** (DAO), **Data Transfer Object** (DTO) classes and data sources with Hibernate framework using the Spring framework.
* Used **EJB** as model in **Spring Framework**, **Servlets** as a **Controller** and **JSP** to view pages.
* Developed view pages using **HTML5, XHTML, CSS3, jQuery, JSTL, JSF, JavaScript, JSON** and **Bootstrap** for manipulating, validating, customizing error messages to the User Interface.
* Developed Sequence diagrams, Case diagrams, Class diagrams, and Object diagrams using **UML**.
* Developed unit test cases for the data access layer and business components using **Junit** and **Easy Mock** and **ANT** as RESTFULbuild tool.
* Used **Ant** to generate application jar files and deployed them using **JBOSS**.
* Used **Log4J** to capture the log that includes runtime exceptions and used **CVS** for version controlling. Used **Tomcat** as a server to deploy the application.
* Developed **Spark scripts** by using **Java shell commands** as per the requirement. Creates producer and **Consumer classes** to write and read messages to **Kafka**.
* Involved in the Production support of the Application. Performed **application development** using **RAD** and **WebSphere Application Server (WAS**).
* Worked on application screens/modules and developed professional and dynamic user interfaces using **CSS** and **J Query.**

Environment: Java 1.5, JavaScript, jQuery, HTML5, CSS3, JSP, XML, XHTML, JSTL, Custom Tags, MVC, JDK, Struts Tiles and Struts. Tag library, SOAP, Tomcat, HTTP, JUNIT, ANT, Log4j, Bitbucket, JBOSS Application Server, Eclipse IDE, J2EE, JSF.6, Spark scripts, Kafka, WAS, CVS, RAD, Java shell & JBOSS.

**CITI Bank. June 2014 – May 2017**

**Software Engineer**

**Description:**

 Migration project in Citibank is loading a flat file (csv/tsv) files into **database** using sql and **Pl/sql** procedure. Also perform the transformations on the data using the user requirement guidelines and the organization database standards.

**Responsibilities:**

* Developed the presentation tier using **HTML**, **CSS**, **JSP**, **Servlets**, **JSTL**, **Ajax** and **Struts**.
* Used Struts-Validator framework for all front-end Validations for all the form entries.
* Worked extensively with **JSP’s** and Servlets to accommodate all presentation customizations on the frontend.
* Used different Design patterns like **MVC** pattern, **DAO** pattern, and singleton to achieve clean separation of layers.
* Designed and developed the code using multithreading, Collections and other **J2EE** technologies. Experienced **C language** developers must manage memory manually to avoid memory leaks and other issues.
* Experienced developers in both languages should have a good understanding of performance optimization techniques**. C++** is generally faster than Java because it is compiled into machine code rather than interpreted at runtime.
* Used **JDBC** to interact with the underlying **Oracle Database**.
* Accessed stored procedures and functions using **JDBC** Callable statements.
* Written and executed various **SQL** Queries and **PL\SQL** programs to retrieve the data from the **database Oracle.**
* Used **JDBC** to access data from **DB2** database with the help of the DAOs. Created **SQL** queried for **MS SQLserver** database.
* User input validations done using Javascript. Used **XML** and **SAX** parser to transfer data between applications. Wrote **PL/SQL** stored procedures, prepared statements.
* Involved in writing and executing stored procedures, functions and triggers for to create a Database Management System.
* Used **Log4j, Junit** and developed unit test cases to monitor the application functionality.

**Environments:** Struts, Core-JAVA, JSP, Servlets, JDBC, ORM, oracle, Multi- Threading, Collections, PL/SQL, Design, Analysis, XML, XSLT, IBM WebSphere, Log4J, Junit, ANT, Eclipse.