**SURENDRA**

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**PROFESSIONAL SUMMARY:**

* Around 7 years of experience in **System Design**, **Enterprise Software development** and Client/Server Implementation, Web Development using Object oriented/Internet technologies, Implementation of **J2EE Technologies** (**Spring3/4, Hibernate4/5,** **ORM, Struts, JDBC, Servlets, JSP**).
* Development experience in Spring technologies like **MVC, AOP, JDBC, ORM, JMS, REST Web Services, Micro Services and Spring Boot.**
* Involved in Design, development and testing of web application and integration projects using Object Oriented technologies such as Core Java, **J2EE**, **Multi-Threading, Struts, JSP, JDBC, Spring Framework, Hibernate, Java Beans, Web Services (REST/SOAP), XML, XSL, and Ant**
* Proficient in design and implementation of **Spring MVC Framework.**
* Developed and deployed **Microservices** based applications using **Spring Boot and Spring MVC**.
* Experience in developing Web services using **SOAP, SOAP UI and Restful.**
* Good working experience in an **Internet-Of-Things** Domain.
* Design and develop IoT platform ecosystem including edge sensors, gateways, aggregators and actuators, mesh networks, IoT cloud services such as data ingestion, analytics using AWS IOT.
* Good knowledge in **RDBMS** concepts and experience in **Oracle**, **MS SQL Server** and **MySQL**.
* Good understanding of **NoSQL** Data bases and hands on work experience in writing application on databases **MongoDB** and **Cassandra**.
* Proficient in writing complex database **queries**, **stored procedures, and triggers**.
* Good Knowledge in **OSI Stack, Network Protocols**, Socket programming in Java.
* Good Knowledge with **Design Patterns** - MVC, Singleton, Session, Observer, State, Visitor, façade, Data Access Objects and Factory Pattern.
* Experience in NodeJS, implementing NodeJS callbacks, NodeJS web server, NodeJS Restful API’s.
* Experience with tools like with **Docker** Images/containers and **Kubernetes.**
* Knowledge on various Docker components like **Docker Engine**, **Hub**, **Machine**, **Compose** and **Docker Registry**.
* Expertise in using **Maven**, writing build files (**POM**) and **Ant** build files.
* Experience in Build and deployment automation through tools like **Jenkins**.
* Good knowledge on **Amazon Web Services** (AWS), Amazon Cloud Services like **Elastic Compute Cloud** (EC2).
* Work experience on **JUnit** for unit testing.
* Good Experience with **UNIX** commands and **Shell** **Scripting**.
* Good experience in working with operating systems - Windows and LINUX.
* Experience in designing Use Cases and Class Diagrams using **UML**.
* Designed and developed reports and provided integration points for services written in Java. **Jenkins** for CI and **AWS** for CD.
* Experience in using **Maven** tools to compile, package and deploy the components to the Application Servers in different environments.
* Experience on **Agile/Scrum** methodologies and Extreme Programming (**Test Driven Development, Behavior Driven Development**, Pair Programming, Code Reviews).
* Excellent **Technical**, **Analytical**, **Problem Solving Skills**, **Communication Skills**, a good team player and have an ability to effectively communicate with all levels of organization like technical, management and customers.

**TECHNICAL SKILLS:**

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| **Programming Languages** | Java 8, J2EE, JSP, JavaScript, Angular, NodeJS, AJAX, SQL, Python, HTML, CSS, XML |
| **Frameworks** | Hibernate, Spring, Struts, JPA, Apache Thrift. |
| **IDE** | Eclipse, IntelliJIdea, Visual Studio Code, PyCharm. |
| **Design Patterns** | MVC, Singleton, Session, Observer, State, Visitor, façade, Data Access Objects and Factory Pattern. |
| **Relational Databases** | Postgres, MySQL, SQL Server. |
| **NoSQL** | Cassandra, MongoDB. |
| **Web Servers** | Apache Tomcat, IBM WebSphere. |
| **Web Services** | REST API, SOAP, Microservices, Swagger2 API Documentation. |
| **Deployment Tools** | Maven, Docker, Kubernetes and Apache ANT. |
| **Version Control** | SVN, GitHub, Bitbucket. |
| **Tools & Utilities** | JUnit, Log4j, selenium, Ant, Maven, Putty, SQL Explorer. |
| **Operating Systems** | Windows, Linux (Ubuntu). |

**PROFESSIONAL EXPERIENCE:**

**Express Scripts, St. Louis, Mo Mar’2019 – Till Date**

**Full Stack Developer**

**Responsibilities:**

* Involved in analysis and design phases of **Software Development life cycle** (SDLC), documenting the requirements and architecting the application based on **J2EE Standards.**
* Implemented **RESTful Web services** to retrieve data from client side and made **REST API** calls from **Angular JS** and parsed the data to project to the client and handled the security and Authorization using Spring Security.
* Extensively used core Java concepts - **Collection framework**, **Multi-threading**, **OOPS** and **Exception Handling**.
* Developed the **jQuery** callback functions to implement asynchronous communication using **AJAX**.
* Designed dynamic and browser compatible pages using **HTML5**, **CSS3**, **Bootstrap** and **JavaScript**.
* Used **Swagger** to get **REST API** Specification and Documentation, Created and Tested Mock Service for the specification using **SOAPUI Pro**.
* Designed and developed Business components and Integrated with **Spring Boot**.
* Built the backend Rest API using **Spring** **MVC** and **Hibernate** **ORM** frameworks.
* Handled the Spring components such as Dispatcher Servlet, Controllers, Model and View Objects and View Resolver.
* Used Spring Framework **AOP** Module to implement logging in the application to know the application status.
* Created a batch process framework using Java **Multithreading** to cascade multiple changes on multiple records.
* Installing and monitoring **PostgreSQL** database using the standard monitoring tools like **Nagios** etc.
* Installing and Configuring PostgreSQL from source or packages on **Linux** machines.
* Developed user interface using HTML, JSP, CSS and implemented client-side validations using JavaScript using **Angular 6** framework and Bootstrap framework.
* Developed application using **Angular** for single page web application and **RESTful** web services.
* Enhanced user experience by designing new web features using MVC Framework like **Node.js**.
* Implemented a **SOA compliant system** working on various transactional messaging using **Session Beans** and **Message Driven Beans**.
* Worked on configuring auto scalable and highly available microservices set with monitoring and logging using **AWS**, **Docker**, **Jenkins** and **Splunk**.
* Developed **JMS interface programs** to push the new data from the One Point Application to other Corporate systems.
* Followed **Scrum/Agile Methodology** during the software development life cycle.
* Extensively worked with **XML** while using Maven, Dispatcher Servlet etc.
* Used **Maven** for generating system builds and **Jenkins** for continuous integration.
* Proficient with container systems like **Docker** and container orchestration like **EC2** Container Service, **Kubernetes.**
* Used **log4j** as the logging framework.

**Environment:** Java 8, JDBC, Servlets, Spring MVC, Spring Boot, JSP, Hibernate, Struts, JMS, JavaScript,

Angular 6, Node.js, Postgres, Ajax, HTML5, XML, Restful Web Services, SOAP, Junit, WebSphere, SQL

Server, Git, log4j.

**Lowes, Morrisville, NC Jan’2018 – Feb’2019**

**Sr. Java Developer**

**Responsibilities:**

* Developed the Use Cases, Data Model, Class Diagrams, Sequence Diagrams for the Project and participated in the review of High-Level Document, System Plan and System testing.
* Played a key role in all the phases starting from requirement understanding, analyzing the requirement, designing and implementing the requirement.
* Interacted with **Business Analysts** for more understanding of the requirements.
* Design and developed web-based software using **Java Server Faces** (JSF), Spring Framework, Hibernate and JPA.
* Developed back-end logic with Core Java using technologies including **Collection Framework**, **Multi-Threading, Exception Handling, Generics and Annotations.**
* Modularized front-end CSS and JS code with **Sass**. Built a real time mouse/click user analytics web service with **Node.js.**
* Used **Spring Boot** to create stand-alone spring applications.
* Developed front-end code with Ajax call in **Angular 4** and **jQuery** to retrieve data as JSON Object from controllers in back-end RESTful Server, then display the well-organized result in web pages by writing AngularJS controller, directives, services, and route providers.
* Used Swagger to get **REST API** Specification and Documentation, Created and Tested Mock Service for the specification using **SOAPUI** Pro.
* Provided enhancements and bug fixing support for existing **Swing Java** apps using concepts like generics, collections, enums, threads, etc.
* Responsible for installing and configuring third party software necessary to test the product such as **IBM HTTP Server**, **IBM WebSphere Application Server.**
* Produced **RESTful** based web services API using **JAX-RS** with Spring integration environment.
* Implemented Batch Updates using Spring and configured beans in Application Context file.
* Written code for marshalling and unmarshalling technique using **JAXB** to parse **XML** to string object and vice versa.
* Good understanding in databases such as **Oracle** and **MySQL** and experience during database design using **PL/SQL** in writing complex **SQL** queries.
* Hands-on experience in using message brokers such as **ActiveMQ** and **RabbitMQ**.
* Extensively worked with **XML** and **JSON** contents.
* Used **GIT** for version control management.
* Worked on **Swagger API** and auto-generated documentation for all **REST** calls.
* Deployed services to **Docker** to ensure it runs on all platforms without any interruptions.
* For handling the traffic, we have implemented **Kubernetes** to manage containers.
* Used **Maven** to build the projects on the build server on all platforms.

**Environment:** Java 8, Java EE, Spring MVC, Spring Boot, Hibernate, Angular 4, Node.js, REST

Webservices, IntelliJ IDE 3.1, Docker, Kubernetes, Tomcat, Swing/AWT Toad, Maven, Oracle 10g, JSP, JMS, SQL, AWS.

**On Deck Capital, NY City, NY Jan’2017 – Dec’2017**

**Java Developer**

**Responsibilities:**

* Involved in **requirement**, **design** and **development** phases of the application.
* Worked with **DBA** for the creation of new tables and new fields in the database.
* During development phase used Core **Java** concepts (Multi-threading, collections, Exceptions) and J2EEtechnologies (JSP, Servlets, EJB, JDBC).
* Developed application service components and configured beans using Spring **IOC**, creation of **Hibernate** **mapping** files and generation of database schema.
* **Servlets** used as the controllers for writing the business logic for handling the incoming requests.
* Used **Hibernate** with integrated **DAO** design pattern to access and update information in the Oracle database.
* Configured Hibernate second level cache using EH Cache to reduce the number of hits to the configuration table.
* Worked on database connectivity using **Oracle SQL** Developer and pushing data back and forth from the database.
* Used **Maven** for build automation tool to compile and generate EAR, WAR, and JAR files.
* Using **JUnit** framework performed unit testing to check the errors and fixing the bugs via Test-Driven Development.
* Creating new tables, views. Creating and updating **SQL Stored Procedures**, **Data Types**, **Triggers** and **Constraints**.
* Optimizing Queries with creating Indexes to improve performance of **SQL** queries which helps to retrieve the data faster in more efficient way when compared to scanning whole database.
* Used **GIT** as version control software to manage the source code and to keep track of changes to files which is fast and light weight system.
* Used **Agile** Methodology and participated in **Scrum** meetings.

**Environment:** Java 7, Java EE, Hibernate, JPA, Spring MVC, Web services, Spring 3, Eclipse 3.5, Putty,

Oracle WebLogic, Oracle 10g, JSF, JMS, SQL Developer, SQL, PL-SQL, Maven, Jenkins.

**Fluent Services, Pune, India Jan’2015 – July’2016**

**Jr. Java Developer**

**Responsibilities:**

* Participated in business requirement analysis.
* Developed both front end and back end of the application using Java8.
* Developed web components using **Spring MVC** framework to implement Dependency Injection (DI).
* Stored **JSON** objects into the database.
* Implemented **ORM** framework called **Hibernate** by developing Hibernate mapping files for Object relational mapping while configuring Hibernate.
* Worked on Integration of Microservices deployment patterns with the **PAAS** platform on top of **AWS** and Integrating with the **Config** server.
* Used **Java Message Service** JMS API for reliable and asynchronous exchange of important information.
* Developed **HQL** queries and wrote **Data Access Objects** (DAO) to handle HQL queries.
* Developed API using Node.js to allocate access to data in SQL, Mongo DB.
* Used various **J2EE design patterns**, like **DTO**, **DAO**, and **Business Delegate**, Service Locator, **Session Facade**, **Singleton** and **Factory** patterns.
* Implemented **RESTful** and WSDL and used web services to exchange product and customer order information.
* Designed and developed **Java Web Services** to allow external clients to interact with the system.
* Implemented JavaScript for Client-side validations.
* Wrote Unit test cases using **JUnit** and **Mockito.**

**Environment:** Java, JSP 2.0, HTML, CSS, JavaScript, EJB 2.0, JDBC 2.0, IBM Web Sphere 5.0, XML, XSLT, XML Schema, JUnit 3.8.1, Rational Rose 4.0, Ant, UML, Hibernate, Oracle and Windows.

**INNOPARK India Pvt Ltd June’2013 – Dec’2014**

**Jr. Java Developer**

**Responsibilities:**

* Developed the application using **Struts** following **MVC** architecture.
* Identified the participating pages and the navigation paths between pages.
* Developed **action** and **form** classes based on Struts framework to handle the pages.
* Used **WebLogic** Workshop page flow technology.
* Created several **JSP**'s and populated them with data from databases using **JDBC**.
* Designed and developed **EJBs** to handle business logic and store persistent data.
* Developed **Web Services** to retrieve data from legacy systems.
* Involved in coding using **Java Servlets**, created web pages using JSP's for generating pages dynamically.
* Involved in developing forms using **HTML** and performing client-side validations using **JavaScript**.
* Developed **server-side** functionality for **Admin Interface** features (adding a User, Modifying the User Details, Assigning Roles, Modifying Roles etc)
* Used **J2EE** Singleton design pattern and **EJB** Session Beans.
* Planned and implemented various SQL, Stored Procedure, and triggers.
* Used **JDBC** to access Oracle database and implemented of connection pooling.
* Created test plans and **JUnit** test cases and test suite for testing the application.

**Environment:** Java, Hibernate, Spring Framework, Web services, Spring 3, Eclipse 3.5, SQL Developer,

Oracle 10g, JMS, SQL, PL-SQL, Maven, Jenkins.