**Shireesha**

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**Professional Summary**

* Proficient **7+** **years** of experience in software design and development with a strong **Java,** **JEE** back ground and UI Development.
* Experience of enterprise level application development with **Java** centric technologies in the domain of Banking and Insurance, Healthcare.
* Experience in working in both Windows, Linux and **UNIX** platforms including programming and debugging skills in UNIX Shell Scripting.
* Good working knowledge of **J2EE** best practice toolsets such as **Ant**, **Maven** **3.5.0**.
* Employing Java Object/Relational bridge technologies such as **Hibernate** **ORM 5.0.2, JPA,** and **spring**.
* Developed applications using frameworks and **API** like **Struts 4.2.0, Spring MVC.**
* **JAVA/J2EE** development experience in server side and client-side programming.
* Extensive experience in Java/JEE programming **JDBC, Servlets, JSP, JSTL, JMS.**
* Build windows applications using Java and C++.
* Experienced in Web Services approach for Service Oriented Architecture (SOA).
* Have experience with **React Js** environment even. We create some user interfaces according to the requirements of the Clients.
* Experienced in web development using **HTML5, DHTML, XHTML, CSS3, JavaScript,** **Angular JS, Angular 4** and **AJAX** technologies.
* Wrote C++ programs for end of day operations.
* Developed applications based on Model-View-Controller (**MVC**) architecture using core design patterns (creational, structural, behavioral) and JEE design patterns (Data Access Object, Business Delegate, Service Locator etc..).
* Expertise in creating Custom Reusable **React Components** Library.
* Worked in using **React JS components, Forms, Events**, **Keys, Router, Animations** and **Redux** concept.
* Used the functionalities for writing code in **HTML, CSS, Angular.js, D3.js, Node.js, JavaScript, JQUERY, Ajax, JSON, and Bootstrap with MySQL** database as the backend.
* Sound working knowledge of performance tuning in **JAVA** and **J2EE** including hibernate tuning.
* Experience in using various Configuration Management tools like **CVS**, **GIT** and **SVN**.
* Experience in using **ANT** tool Maven to compile, package and deploy the components to the Application Servers.
* Strong experience in XML related technologies including **XSD, DTD, XSLT, XPATH,** **DOM, SAX, JAXP, JAXB, XML-RPC** and **XML** Beans.
* Expertise in developing and consuming Web services including different technologies and standards like **DTD**, **XSD**, **SOAP**, **WSDL**, **JAX-RPC**, **JAX-WS**, **WS-I** and Apache Axis.
* Good knowledge in C++, Multi-threading, Restful Web Services, VMware vSphere API.
* Good Knowledge of using IDE Tools like **Eclipse**, **NetBeans**, **JBuilder**, Rational Application Developer (**RAD**) for Java/JEE application development.
* Experienced in using Operating Systems like Windows **XP/7/8**, **AIX**, and Sun Solaris.
* In-depth knowledge of **PL/SQL** with the experience in constructing the triggers, tables, functions, user defined data type, procedures etc.
* Proficiency in working with databases like **Oracle**, **MySQL**, **MongoDB**, **NoSQL**.
* Experience in using testing Tools **JUnit**, **Selenium**, **Cucumber/Jenkin**.
* Exposure to **Oracle**, **DB2**, and **MySQ**L databases in developing applications using SQL Scripts, Stored Procedures.
* Experience using an Integrated Development Environment like **Eclipse**, **RAD 7.5/8.5** for code development.
* Extensive experience on support tools like Application Life Cycle Management to perform Unit testing and Application integration testing.

**Technical skills:**

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| **Languages** | Java, UML, SQL, PL/SQL, C, C++, python. |
| **Core Java** | Data Structures, Collections, Generics, Serialization Reflections,  Concurrency/Multithreading, RMI, Swing |
| **J2EE Technologies** | JSP, JMS, JB, Java Servlets, JDBC, Angular JS, React JS |
| **J2EE MVC Frameworks** | Struts, Spring Core, Spring MVC, Spring DAO, JSF |
| **Web Technologies** | HTML, DHTML, CSS, XML, XSL, XSLT, XSD, XHTML, SOAP. |
| **Scripting Languages** | JavaScript, jQuery, Ajax. |
| **ORM Frameworks** | Hibernate, JPA, DAO |
| **IDE’s** | Eclipse, JBuilder, IBM RAD and NetBeans |
| **Operating Systems** | Windows 98/2000/XP/Vista/7/8, UNIX, Oracle Solaris, Linux |
| **Testing** | Junit |
| **Web Services** | SOAP, Spring REST, JAX-RPC, JAX-RS, JAX-WS |
| **Application Servers** | Oracle WebLogic, IBM WebSphere, JBoss and Apache Tomcat. |
| **Design Patterns** | MVC, Singleton, Factory, Pattern, Session Facade, Business Delegate,  Service Locator, DAO, Front Controller. |
| **Batch Scripting** | Maven, Ant and Gradle |
| **Design Methodologies** | RationalUnifiedProcess, Agile, Scrum, Test Driven Development,  Rapid Application Development. |
| **Database** | Oracle, DB2, MySQL, MongoDB, Microsoft SQL Server 2008 |

**Professional Experience:**

**Sony (SCEA), Foster City, CA Jan’2018 – Till Date**

**Full Stack Developer**

**Responsibilities:**

* Involved in the analysis, design, development and system and integration testing phases of Software Development Lifecycle **(SDLC**).
* Followed Agile Scrum Methodology to analyze, define, and document the application which will support functional and business requirements.
* Developed Dashboards and UI pages with **JSP**, **HTML5, CSS3, JavaScript**, **jQuery**, and used **Bootstrap** to create Responsive Web pages.
* Developed **AWS** cloud formation templates and setting up Auto-scaling for **EC2** instances and involved in the automated provisioning of AWS cloud environment using Jenkins.
* Developed server-side software modules and client-side user interface components deployed entirely in Compute Cloud of Amazon Web Services (**AWS**).
* The responsibility of maintaining and developing server-side code with **JavaScript** and **Node.js** runtime environment.
* Worked with **Hibernate**, ORM framework for implementation of persistence layer and Messaging Services like **Active MQ** and **Kafka**.
* Use **React JS** Framework to design layouts in developing an application.
* Helped with rewrite of a product using **React, Redux,** and **Web pack**.
* Designing, building, and maintaining efficient C++ code.
* Implemented Single Page Design and customized directive and filter criteria by using **Angular4**, which can allow data binding to specific views and synchronize the data with the server.
* Performed Restful routing using **Node.js** which submits my form data to the **Mongo DB** database.
* Used Docker for managing & running the applications within containers.
* Implemented Restful Web Services using Spring and used **Spring Boot** for microservices& consumed services using **Spring REST** template.
* Used **Node.js** to run **Grunt tasks** and build properly the project.
* **Angular4** was used to parse the **JSON** file using the REST Web services.
* Developed the Azure Active Directory (**AAD**) authentication and OAuth authorization for API security.
* Implemented a logic to produce and consume asynchronous messages on **Kafka** Topic.
* Implemented a Continuous Delivery pipeline with **Dockers, Jenkins** and **Git hub**. Whenever a new git hub branch gets started, Jenkins automatically builds a new Dockers container from it.
* Integrating Flex and React apps with **Node.js** backend on an embedded server.
* Familiar with MongoDB write concern to avoid loss of data during system failures and implemented read preferences in **MongoDB** replica set.
* Involved in creating and consuming **SOAP** based and **RESTful** web services using **WSDL, JAX-WS,** **SOAPUI** and JAX-RS framework.
* Managed servers on the Amazon Web Services (**AWS**) platform instances using Chef configuration management.
* Configuring and maintaining the purpose of CI and End-to-End automation for all build and deployments implementing **CI/CD** for database using Jenkins. Configuring Jenkins job to spin up infrastructure using Terraform scripts.
* Performed configuration, deployment and support of cloud services including Amazon Web Services (**AWS**).
* Launch various **AWS EC2** instance to deploy the various application and maintained for production servers.
* Used **Tomcat** **server** for the application development and deployment and **JIRA** for issue tracking.
* Used **Git** for Source Control and Version Management of all codes and resources.
* Developed a fully automated continuous integration system using **Git, Jenkins,** **MySQL** and custom tools developed in **Python**.
* Coordinated with the onsite team for requirement transition and providing the necessary inputs required for successful execution of the project.
* Extensively worked with **Servlets** and **Struts** based multi-tier applications in developing **J2EE** Components
* Applications developed in **Eclipse** **IDE** with Java, Google Web Toolkit, Hibernate, CSS, **JBoss**, HTML& Oracle DB.

**Environment:** AWS, Java/J2EE, EC2, VPC, S3, Redshift, python, HTML5, CSS3, JavaScript, C++, jQuery,

JSP, XML, Ajax, **Angular4**, Node.js, Restful Services, Java 8, Spring MVC, Spring Core, Spring Boot,

Multithreading, Hibernate, Docker, JMS, MongoDB, Apache Tomcat Server 9.0, Shell Scripting, Microsoft

Azure, Subversion, Maven, React Js, Redux, AWS, Puppet, Jenkins, JUnit, SQL 2010, TDD, Log4j, Eclipse,

JIRA.

**Client: Delta Dental, Chicago, IL Jan’2017 – Dec’2017**

**Sr. Java Developer**

**Responsibilities:**

* Deployed multitude applications utilizing almost all the AWS stack focusing on high-availability. Used AngularJS as the development framework to build a single-page application.
* Used Bulk Collections for better performance and easy retrieval of data, by reducing context switching between **SQL** and **PL/SQL** engines.
* Developed facilities for stripping long error messages from minified JavaScript code for **AngularJS**.
* Designed and developed the application using Agile methodology, Wrote Technical design documents, Implementation plans and testing documents for the requirements.
* I have built web servers with single-page apps in **Angular** and **jQuery**.
* Designed, developed and supported multiple C++ SOAP webservices.
* Developed web pages using **HTML5**, **CSS3**, **JavaScript**, **JSON**, jQuery.
* Wrote client-side UI Validation and implemented Business logic based on user selection using jQuery and **JavaScript**.
* Designed and developed Microservices Architecture to divide application into business components using **Spring Boot, Apache Storm, Active MQ** and **Apache Kafka.**
* Developed the XSL to convert and compare the **SOAP** to simple **XML** and vice versa.
* Used **Apache Kafka** (Message Queues) for reliable and asynchronous exchange of important information between multiple business applications.
* Developed **SOAP** Web services for getting information from third party.
* Used **JDBC** **API** for invoking stored procedures in the database.
* Implemented **React router** for building the single page application. Also Used **web pack** as the module bundler.
* Developed application Web Services (SOAP and RESTFUL) with **JAX-WS** and **JAX-RS**.
* Used Spring **MVC** framework at the front end and configured many beans and wired (dependency injection) them as per the requirement.
* Consumed **RESTful** Web Services to implement **AJAX** calls and updating dynamic functionality of HTML in JavaScript, jQuery and **Angular**.
* Designed Frontend with object-oriented JavaScript Framework like **AngularJS**
* Implemented business logic using Spring service layer and Spring DAO layer using Spring Framework.
* Created proof-of-concept using responsive web design**, Node.js, React JS, HTML5 and CSS3**.
* Integrated Spring and Hibernate, configured logging and developed exception handling for the application.
* Involved in writing Spring Configuration **XML**, file that contains declarations and business classes are wired-up to the frontend managed beans using Spring IOC pattern.
* Migrated the existing web application from using **DB2** data to calling the **REST API** services.
* Knowledge on developing applications using Microservice, **SOA** and developed **Microservices** with **Spring Boot** and **Node.JS** Monolithic architectures.
* Used **Ajax**, **JSON** with jQuery for request data and response processing.
* Developed application service components and configured beans using **Spring IoC**, creation of Hibernate mapping files and generation of database schema.
* Used the light weight container of the Spring Frame work to provide architectural flexibility for inversion of controller (**IOC**).
* Expert in deploying applications on application servers like Web Sphere Application Server, **WebLogic**, **JBoss** and **Tomcat**.
* Created and modified build configuration files including Mavens POM.xml.
* Used **SOAP** for Web Services by exchanging **XML** data between applications over HTTP.
* Used **Hibernate** as **ORM** tool for object data persistence.
* Developed various Database interaction objects by implementing the DAO Patterns and used **JDBC** as Model Component.
* Implemented Spring and Persistence object Java Persistence API (**JPA**).
* Good knowledge of Spring's IOC, **AOP**, **Spring** **MVC** and spring's integration with Hibernate and Struts technologies.
* Worked on provisioning **AWS** and deploy Chef and **Jenkins** to completely provision and manage the instances.
* Worked on developing restful web services as part of migrating the existing applications to be separate entity and be accessed by **REST** **API**.
* Implemented CI/CD pipeline using **Jenkins** and extensively worked for End-to End automation for all build and deployments.
* Wrote **Junit test cases** to test the Spring **DAO** Managed Hibernate for accessing and persisting data between Java objects/classes and a relational database.
* Wrote complex queries for reports to get the data in the Data tables using **DB2**.
* Supported the application on different environments from Test to Production environment. Analyzed the issues and fixed the defects assigned to me by the users.

**Environment:** J2EE/J2SE, Spring, Hibernate, CSS3, python, XML, HTML5, Core Java, JavaScript, C++,

PL/SQL, AWS, Node.js, React.js, JSON, jQuery, React Js, Redux, Jenkins, TFS, ORM, SOAP, DB2.

**Fifth Third Bank, Cincinnati, OH Jan’2016 – Dec’2016**

**Java Developer**

**Responsibilities:**

* Involved in all phases of **SDLC** including requirements collection, design & analysis of the client specifications, development and customization of the generated forms from application.
* Followed Agile Methodology in analyzing, defining, documenting and developing the functional and business requirements of various clients.
* Used Spring Model View Controller Framework and achieved Dependency Injection using Spring IOC.
* Developed DAOs (**Data Access Object**) using Hibernate as ORM to interact with DBMS-Oracle 10g.
* Web services are implemented under Restful architecture and they are consumed by clients.
* Designed and developed front end of the application using HTML5, CSS, jQuery and AJAX.
* Development of test framework using the **Python**.
* Used Extensible Style sheet language (**XSL**) to transform and render XML documents and XPath to address the parts of **XML** document.
* Involved in developing mapping of fields in the forms generated from the data of source application.
* Used the **Eclipse as IDE**, configured and deployed the application into **JBOSS** application server.
* Experience in working with **Eclipse** IDE.
* Have experience with **React Js** environment even. We create some **user interfaces** according to the requirements of the Clients.
* Expertise in **Maven** for **build, Jenkins** and **SonarQube** continuous integration.
* Back end coding and development using Java Collections including Set, List, Map, **Multithreading**, **Servlets**, Action, Action Forms, Java beans, Exception Handling etc.
* **SVN** is used for version control.
* Used **Microservices** with **Spring Boot** interacting through a combination of **REST** and **Apache Kafka** message brokers.
* Development of test framework using the **Python.**
* Parsers written in **Python** for extracting useful data from the design data base.
* Involved in Unit, integration and QA testing and documenting the results.
* Used **JSON** to specify various rules that needs to be applied while generation of online forms.
* Used Oracle database for developing the configuration and storing the meta data of client forms.
* Database development also required the creation of new tables, stored procedures, functions, indexes, triggers and constraints.
* Integrated delivery (CI and CD process) Using **Jenkins** and **puppet**.
* I worked on a task to decrease database load for search and moved some part of search to Elastic Search engine
* **Log4j** utility is used to generate logs.
* Worked on solving the production tickets from clients.
* Working with QA team and fixed QA bugs with quick turnaround time**.**

**Environment:** Java, J2EE, Spring, Struts, JSP, AJAX, HTML, Tomcat 6.0, **Oracle 11g**, Maven, Edit plus,

Eclipse IDE, **JUnit**, WSDL, python, CI/CD, Web Services, JBOSS, Jenkins, puppet, TOAD for Oracle 11,

Lotus Notes.

**United Health Group, Bengaluru, India June’2014 – Aug’2015**

**Jr. Java Developer**

**Responsibilities:**

* Implemented the front-end using **HTML**, **XML**, **CSS** and JavaScript, **AngularJS**, jQuery, **AJAX** for dynamic web content.
* Worked across multiple modules including user administration.
* Worked in an **Agile** Environment used Scrum as the methodology wherein I was responsible for delivering potentially shippable product increments at the end of each Sprint.
* Used **MVC** architecture throughout the project.
* Used **Apache** **Maven** to build projects.
* Log4j were used to log the various debug, error and informational messages at various levels.
* XML parsing by using **JAXB** for XML Schema Validation.
* Consumed **SOAP** & **REST** based web services to transfer information.
* **Maven** was used to manage dependencies in the application and deploy it on Web sphere Application server.
* Deployed the war files in **JBOSS** Server in Unix Environment.
* HP lifecycle management for defect tracking.
* **CVS** was used for the version control.
* Instrumental in fixing the bugs that are found in production and test it thoroughly before moving the same into production.
* Followed TDD and wrote unit test cases using **JUnit**.

**Environments:** Java/J2EE, Spring 3.1, Maven, jQuery, HTML, JavaScript,AngularJS, JBOSS, Spring MVC,

XML,XSD, CSS**,** Log4j, JavaScript**,** Apache Tomcat, JUnit, HP lifecycle management, MyEclipse.

**XT Global, Hyderabad, India June’2011 – May’2014**

**Java/Intern**

**Responsibilities:**

* Involved in development, testing and maintenance process of the application.
* Used **Struts** framework to implement the **MVC** architecture.
* Extensively used MVC architecture and **JBoss** for deployment purposes.
* Created JSP, Form Beans for effective way of implementing Model View Controller architecture.
* Created Session Beans, Entity beans for transactions with the database using JDBC.
* Developed necessary **SQL** queries for database transactions.
* Developed and maintained the application configuration information in various properties files.
* Designed and developed **HTML** front screens and validated user input using JavaScript.
* Used Cascading Style Sheets (**CSS**) to give a better view to the web pages.
* Scheduled execution of procedures using Unix Shell Scripts for updating of tables.
* Develop and deploy reporting engine process using multithreading.
* Implemented various complex **PL/SQL** queries.
* Used **Eclipse** for code development along with CVS for managing the code.
* Interacted with Business Analysts to come up with better implementation designs for the application.
* Interacted with the users in case of technical problems & mentoring the business users.
* Implement the best practices and performance improvement / productivity plans.
* Used Java Message Service (**JMS**) for reliable and asynchronous exchange of essential information, such as loan status report.
* Used **JUnit** for debugging, testing and maintaining the system state.

**Environment:** Core Java, Multithreading, J2EE, Struts 1.1, JSP 2.0, JMS, JavaScript, CSS, HTML, XML, JBoss,

Eclipse, Oracle 9i.