**Shireesha**

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**Professional Summary**

* Proficient around 8+ 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.
* Extensive hands on experience in Infrastructure, Security, Service and Operations including IaaS, **SaaS, PaaS** migration experience on Services.
* 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** and **JDBC**.
* Developed applications using frameworks and **API** like **Struts 4.2.0, Spring MVC, backbone, knockout.**
* **JAVA/J2EE** development experience in server side and client-side programming.
* Extensive experience in Java/JEE programming **JDBC, Servlets, JSP, JSTL, JMS, OOA and OOD.**
* Build windows applications using Java and C++.
* Experienced in Web Services approach for Service Oriented Architecture (SOA).
* Experienced in web development using **HTML5, DHTML, XHTML, CSS3, JavaScript,** **Angular JS, Angular 4** and **AJAX** technologies.
* Wrote Java programs for end of day operations.
* Experience in creating Docker images, Containers, push/pull and integrating with **Spring Boot** for running application.
* Working knowledge of Pentaho Business Intelligence, as well as **OLAP STAR** and **OLTP** schemas.
* Good knowledge in Java and **EJB Design** Patterns.
* 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...).
* Hands-on experience in using message brokers such as **ActiveMQ** and **RabbitMQ**.
* Development experience with Java such as **OOPS Concepts**, Strings, IO, **Multithreading**, Collections, and **Exception Handling**.
* 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.
* Implemented the back-end services using **Spring Boot.**
* 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**.
* Expertise in J2EE application development using **Core Spring MVC**, **Spring boot**.
* 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++ |
| **Core Java** | Data Structures, Collections, Generics, Serialization Reflections, Concurrency/Multithreading, RMI, Swing |
| **J2EE Technologies** | JSP, JMS, JB, Java Servlets, JDBC, Angular 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, EJB, 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**.
* Evangelized the use of **web socket** to push the recalculation results to the front end and implemented this solution. Enhanced the framework to support other events.
* 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.
* Used **Microservice** with **Spring Boot** interacting through a combination of **REST and Apache Kafka** message brokers.
* Developed **microservices** with **Spring MVC** to retrieve API routes for the entire cluster.
* Implemented RESTful services using **Spring Boot** framework from scratch.
* 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.
* **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.
* Setup various Team Projects into different Team Project Collections in **TFS.**
* Developed the business layer components as Stateless Session Beans based on **EJB API**.
* Familiar with MongoDB write concern to avoid loss of data during system failures and implemented read preferences in **MongoDB** replica set.
* Implemented the function to send and receive AMQP messages on **RabbitMQ** synchronously and asynchronously and send **JMS** message to **Apache ActiveMQ** on the edge device.
* Created Executor based Multi-Threaded application to test implementation.
* Integrated configured **Camel** with **ActiveMQ** to use it as bus.
* Managed servers on the Amazon Web Services (**AWS**) platform instances using Chef configuration management.
* 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.
* Researched Cloud based architecture including **Saas, Paas, Google App Engine** and multi-tenant Architecture and validated Ifoundry offering as a **SAAS** model.
* Managed **Postgre** Users, schemas and objects and explored options to give privileges based on different level to application users and performance tuning on reviewing the query plans.
* Used **Spring** with **Hibernat**e to build server side for daily transactions and used **JDBC** to process End of Day jobs to improve the performance.
* 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.
* Involved with **Spring IOC** and Dependency Injection concepts to integrate **Hibernate Dao** classes with **JSF** Action classes.
* 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.
* Worked in **OLTP & OLAP** environment that includes Production (24x7), QA and development databases in **SQL** Server.
* Used the Oracle Web center to embed the score calculation JSFto task flows.
* Applications developed in **Eclipse** **IDE** with Java, Google Web Toolkit, Hibernate, CSS, **JBoss**, HTML& Oracle DB.

**Environment:** AWS, Java/J2EE, EC2, VPC, S3, Java1.8, Redshift, HTML5, CSS3, JavaScript, C++, jQuery, JSP, XML, Ajax, Angular4, Node.js, Restful Services, Java 8, JSF, Spring MVC, Spring Core, Spring Boot, Multithreading, JDBC, HTTP, Hibernate, Docker, JMS, SOAP, MongoDB, Apache Tomcat Server 9.0, Shell Scripting, Microsoft Azure, Rabbit MQ, Subversion, Maven, AWS, Puppet, Jenkins, JUnit, 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.
* Extensive development experience in object-oriented analysis, design and programming (**OOA/OOD/OOP**) throughout complete **SDLC** in Agile.
* Used Bulk Collections for better performance and easy retrieval of data, by reducing context switching between **SQL** and **PL/SQL** engines.
* Developed frontend application using **React.js, Express.js** and **Knockout. Js**.
* 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**.
* Experience in Data warehousing using **OLAP, OLTP** and **Predictive Analysis**.
* Developed web pages using **HTML5**, **CSS3**, **JavaScript**, **JSON**, **web sockets and jQuery.**
* Wrote client-side UI Validation and implemented Business logic based on user selection using jQuery and **JavaScript**.
* Implemented Restful Web Services using Spring and used **Spring Boot** for microservices& consumed services using **Spring REST** template.
* Good understanding of using **Spring Cloud** for **microservices** deployment.
* Used **JDBC** **API** for invoking stored procedures in the database.
* Used Spring **MVC** framework at the front end and configured many beans and wired (dependency injection) them as per the requirement.
* Developed the business layer logic and implemented **EJBs Session beans**.
* 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.
* Good exposure to **Java Web Services** development using **SOAP, REST, WSDL**.
* Integrated Spring and Hibernate, configured logging and developed exception handling for the application.
* Worked on setting up **CI** (continuous Integration) in **TFS, Docker** and **Jenkins**.
* 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.
* 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**).
* Created and modified build configuration files including Mavens POM.xml.
* 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.
* Engineered and documented **Postgres** backup and recovery scenarios and situations to assist other DBAs in the group while configuring.
* Introduced Couchbase Lite on the client, and Couchbase Server on the server as **Pouch DB** and **CouchDB**, respectively, Mongo Lite and **MongoDB** etc., in other implementations.
* Worked on developing restful web services as part of migrating the existing applications to be separate entity and be accessed by **REST** **API**. Implemented API using **REST and SOAP** Services.
* Wrote **Junit test cases** to test the Spring **DAO** Managed Hibernate for accessing and persisting data between Java objects/classes and a relational database.
* Excellent understanding of relational databases. Created normalized databases, wrote stored procedures, used **JDBC** or **Hiberna**te to communicate with database.
* Experienced with **Oracle, MySQL**, and **SQL** Server.
* Experienced in **JSF** and Prime faces.
* Worked on Selenium for web automation and **NoSQL** databases like **Couchbase** and **MongoDB**.
* 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, java1.8, CSS3, XML, HTML5, Core Java, JavaScript, C++, PL/SQL, AWS, JSON, jQuery, spring MVC, HTTP, TFS, JSF, Oracle, Couch DB, Mango DB, ORM, SOAP, DB2.

**Fifth Third Bank, Cincinnati, OH Apr’2015 – 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 (MVC)** Framework and achieved Dependency Injection using **Spring IOC.**
* Experience in continuous integration using **Jenkins** for timely builds, code coverage, running test.
* 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.
* 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.
* Worked on installing and configuring **ActiveMQ** for durable message service.
* Hands on experience with OOPS Concepts like **Inheritance**, **Encapsulation**, **Abstraction** and **Polymorphism**.
* Experience in working with **Eclipse** IDE.
* For continuous integration used **Jenkins** mainly to generate and send automatic emails regarding updates on project.
* Developing Online panels and application using **EJB, Java Servlets, Session Entity Beans**.
* Back end coding and development using Java Collections including Set, List, Map, **Multithreading**, **Servlets**, Action, Action Forms, Java beans, Exception Handling etc.
* 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.
* Install, configure, test, monitor, upgrade, and tune new and existing **PostgreSQL** databases.
* I worked on a task to decrease database load for search and moved some part of search to Elastic Search engine.
* Worked on **Rest Web services** for backend services, used **Couchbase DB** (NoSQL) for database services
* **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:** Java1.8, J2EE, Spring, Struts, JSP, AJAX, HTML, Tomcat 6.0, Oracle 11g, Maven, Edit plus, Eclipse IDE, Oops concepts,JUnit, JSF, WSDL, PostgreSQL, Web Services, TOAD for Oracle 11, Lotus Notes.

**United Health Group, Bengaluru, India June’2013 – Dec’2014 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.
* Strong experience in core java concepts Such as **OOPS Concepts**, **collections Framework**, multi-threading, **exception handling** and **Garbage Collection**.
* 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.
* Designing and coding of **JSF** pages.
* 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, Oops concepts,AngularJS, Spring MVC, XML,XSD, CSS**,** Log4j, JavaScript**,** Apache Tomcat, JUnit, JSF, HP lifecycle management, MyEclipse.

**XT Global, Hyderabad, India June’2011 – May’2013****Jr. 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.
* Developed web pages using **Servlets**.
* Used **Apache Tomcat** application server.
* 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, Apache Tomcat, Servlets, Eclipse, Oracle 9i.