Aastha Sharma

Sr. Java Full Stack Developer

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**PROFESSIONAL SUMMARY:**

8 years of Information Technology experience in software Development and Object Oriented Programming that includes requirement Analysis, Design, Development and Implementation of Web Based, Client/Server applications and Database application.

**AREAS OF EXPERTISE:**

* Experienced in all stages of Software Development Life Cycle including proposal, process engineering, requirement analysis, design, development, testing, deployment and support.
* Experienced in Design and Development of various web and enterprise applications using J2EE technologies like **Core** **Java**, **J2EE**, **JSP**, **Servlets**, **EJB**, **JDBC**, **JPA**, **JMS, JSF, SOA, XML**, **JAXB**, **JAX**-**WS**, **JAX**-**RS,** **AJAX**, **ANT**, **Web** **Services, Spring Framework, Struts, Servlets, XML, DOJO, JavaScript, JQuery, Multi-threading.**
* Strong experience in Web Development using technologies like **HTML** **5**, **CSS** **3**, **JavaScript**, **AngularJS**, **Bootstrap**, **XSLT, XPATH, SAX/DOM**, **JSON**, **AJAX**, **HTML**, **CSS**, and **JSPs and JSTL**.
* Experienced in working with scripting languages like **JavaScript**, **AJAX**, **JQuery**, **Bootstrap** and **Angular**.**js**.
* Extensive experience in Core Java concepts that includes **Multi**-**threading**, **Synchronization**, **Concurrency**, **Collections** **framework**, **Java** **Beans**.
* Having experience with **Java** **8** features like **Stream**, **Lambda** expressions and **Filters**.
* Experience in working with **Spring** framework including **Spring IoC, Spring DAO support, Spring ORM, Spring Boot, Spring Security, Spring MVC, Spring DI and Spring Batch**.
* Experience in using design pattern like **Session** **factory** and **data access objects, MVC, Singleton.**
* Exposure to implementing **Web** **Services** (**WSDL** using **SOAP** protocol).
* Proficient in programming by using the **IDE's** such as **Eclipse**, **NetBeans**, **IntelliJ**, **TOAD and WSAD**.
* Hands-on experience using **Groovy** for creating applications using CLI to make development faster.
* **EJB** Session Beans were used to process requests from the user interface and entity beans were used to interact with the persistence layer.
* Experience on **ORM** frameworks like **Hibernate**/**JPA** used for mapping Java classes with relational database.
* Strong experience in **RDBMS** database design using **SQL**, to write Stored Procedures, Functions, Triggers, prepared Statements.
* Expertise in writing database programming with **oracle** in **SQL** **developer**.
* Worked with **SVN, CVS** and **IBM** **clear** **case** for **version control**.
* Expertise in implementation of web applications using frameworks such as **Struts**, **Spring**, **Spring** **web** **flow**, **JPA** and Persistence Framework like **Hibernate** **ORM** (**Object** **Relational** **Mapping**) in a typical n-tier architecture.
* Deployed into Application servers like **JBoss**, **IBM** **WebSphere**, **WebLogic** and web servers like **Apache** **Tomcat**.
* Experience working in Databases like **Oracle** 9i/8i/10g (**SQL**, **PL**/**SQL**), **MS** **SQL** **Server** 2000, **MySQL**.
* Hands in experience in source control tools such as **CVS** and **SVN**.
* Experienced in **Apache** **Solr** search platform and **Lucene** **Java** Library.
* Knowledge on **Amazon** **Web** **services** (**EC2** **S3**).
* Experience in preparing project related documents using Microsoft Office suite like MS- Office, MS-Excel. MS-PowerPoint and **MS**-**Visio**.
* Extensive experience in using **Junit** for unit testing and development and deployment of applications done using tools **ANT** and **Maven** & debugging through **Log4j**.
* Experience in working both **Agile** and **Waterfall** methodologies.
* Ability to learn and use new systems and paradigms in considerably less time.
* Excellent interpersonal communication, technical, strong problem solving, decision making skills and ability to work independently as well as in a group.

**TECHNICAL SKILLS:**

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| **Programming Languages:** | Java, C, C++, SQL, PL/SQL. |
| **Java/J2EE Technologies:** | Servlets, JSP, Java Beans, JDBC, RMI, JMS, JNDI, Swing. |
| **J2EE Frameworks:** | Apache Struts, Spring, Hibernate, Log4J, JSF, Junit. |
| **Web Technologies:** | XML, XML Schema, XSL, XSLT, SAX, DOM, CSS 3, HTML 5, AJAX, GWT, Web services, SOA, Java Script, AngularJS, NodeJS, Bootstrap. |
| **Application Servers:** | IBM WebSphere, WebLogic, Jboss, Tomcat, WAS. |
| **Database:** | Oracle 9i/10g, SQL Server, MySQL. |
| **IDE:** | Eclipse, RAD, NetBeans and IntelliJ. |
| **Operating Systems:** | Windows, Unix, Linux. |
| **Methodologies:** | Waterfall, Agile. |
| **Source Control:** | ClearCase, CVS, SVN and Git. |
| **Others:** | Microsoft Visio, ANT, TOAD, Shell scripting, MQSeries, Maven, Junit, Log4J, Putty and Ticketzilla. |

**WORK EXPERIENCE:**

**Maximus - Reston, VA Apr 2016 – Till Date**

**Sr. Java Full Stack Developer**

**Responsibilities:**

* Involved in complete life cycle of software development including designing, developing, testing and deployment of application using **Agile** (**Scrum**) methods.
* Involved in developing user interface components using **HTML 5, CSS 3, JavaScript,** **AngularJS** and **Ajax**.
* Wrote application presentation layer, which is based on **MVC** framework, involves **Servlets**, **JSP**, **Java Spring, AngularJS, JQuery, Bootstrap,** and **CSS**.
* Involved in injecting dependencies into code using **Spring IOC** module.
* Developed **Spring** **Beans** and configured spring using ApplicationContext.xml.
* Used **Bootstrap** and **Angular.JS** for effective design of Web pages.
* Involved in developing code for obtaining bean references in **spring** framework using Dependency Injection (**DI**) or Inversion of Control (**IOC**).
* Validating user actions on the client side and providing responsive feedback by using **Angular** **2**.
* Moved existing AngularJS controllers and services to **Angular** **2** components for more responsive and less dependency.
* Designed and developed UI screens with **XSLT** and **JSF (MVC)** to provide interactive screens to display data.
* Used **Angular** **JS** and **Node** **JS** to structure JavaScript code in an **MVC** (Model, View, and Controller).Developed Java classes for XML processing and used **XSLT** for **XML** parsing
* Used **Spring** Framework for Authentication and Authorization and **ORM** components to support the **Hibernate** tool.
* Used **Micro** **service** architecture, with **Spring** **Boot** based services interacting through a combination of **REST** and **Apache** **Kafka** message brokers.
* Utilized **SOAP** UI to generate request **XML's** from **WSDL** to test the responses.
* Integrated **JPA** persistence using **Hibernate** in order to save the current state of using the **Spring** **Framework** **integration**.
* Customized **Lucene** (**Solr**, **Elastic** **search**) Indexing Engine to support our needed custom searching capacity.
* Used **Apache** **Solr** platform for high scale indexing and to achieve search functionality.
* Indexing of Data using **Solr** Search for effective retrieval of stored information on database.
* Developed web services using **REST** using **JAX-RS** using Jersey which helped communicating through different modules of the application.
* Involved in implementing service side validations using **JSF**.
* Developed various test cases and performed unit testing using **JUnit**.
* Worked on **Dockers** for building rest services and deploying to **EC2** instance (**AWS**).
* Developed server-side software modules and client-side user interface components deployed entirely in Compute Cloud of **Amazon** **Web** **Services** (**AWS**).
* Used **Jenkins** to run chef on VMs created in **AWS** cloud.
* Used Rational Application Developer (**RAD**) which is based on **Eclipse**, to develop and debug application code.
* Implemented **Maven** as build and configuration tool and Used **SVN** repository for version control.
* Defined strategic initiatives on Continuous Integration & Delivery (**CI**/**CD**) model with Test-driven development, Extreme programming (XP), and build automation, in an **Agile** development environment to help, respond quickly to business needs and to ship world class Quality products.
* Used **Log4j** to capture the log that includes runtime exceptions.
* Developed **JUnit** test cases for unit test of all developed modules

**Environment:** Java 8, Spring 4, Spring (Boot, IOC, ORM, AOP), HTML5, CSS3, JavaScript, Ajax, Angular 2, Angular JS, NodeJS, JPA, JQuery, JSF, Bootstrap, REST, Linux, Apache Solr, Lucene, Soap UI, AWS, Web Sphere Application Server, Junit, JAX-RS, Jenkins, Log4j, XSLT, XML, SVN, PL/SQL, Maven, SQL, Agile Methodology.

**GE Capital Americas, Atlanta, GA July 2014 to Mar 2016**

**Java Full Stack Developer**

**Responsibilities:**

* Worked in **Agile** methodology environment including, Test Driven Development (**TDD**) with Continuous Integration/Delivery.
* Designed used cases, class diagrams and state diagrams using UML.
* Designed and developed UI using spring view component **HTML**, **CSS**, **Bootstrap**, **AngularJS** and **JSP**.
* Designed and Implemented Layouts for the existing **JSP** files.
* Used Spring Model View Controller (**MVC**) 2 architecture. Used **JSPs** in front end, spring frame work in business layer and Hibernate in persistence layer.
* Used a **Micro** **service** architecture, with **Spring** **Boot**-based services interacting through **REST**
* Build **REST** web service by building **Node**.**js** Server in the back-end to handle requests sent from the front-end.
* Developed **Spring** **IOC** to communicate with the persistence layer.
* Implemented **Spring** remoting with **JMS** using **Apache** **Camel**.
* Developed **Spring** **AOP** framework for security transactions, reusability logging purpose.
* Developed Session Beans and used **J2EE** Design Patterns like **MVC** and Business Delegate.
* Used **Hibernate** **ORM** framework as persistence engine, configured hibernate.xml file and Involved in Mapping, Coding and Fine tuning of hibernate Queries.
* Implemented **AJAX** base applications using **DOJO** and GWT API for Performance oriented and browser independent application.
* Developing and coding J2EE Components with **JSP**, **Java** **Beans**, business objects with **EJBs** and **Servlets**.
* Developed **JSP** custom tag libraries, and associated support in the Action **Servlet**, that assists in creating interactive form-based applications, which is the one of the primary area of functionality using **Struts** 2.0 Framework.
* Configured **LDAP** server to be used with Spring Security to provide authentication for internal application.
* Worked on **Restful** Web services using Jersey for **JAX**-**RS** implementation as well as **Node** **Rest** framework for backend services.
* Used **JMS** for sending and receiving Message through application server.
* Used **XML** **SAX** to parse the simulated xml file that has simulated test data.
* Used **Maven** and **Jenkins** tools for automatic building and deploying the Web applications.
* Used **JDBC** for database connectivity and used connection pooling to optimize database connections Source Version Control **CVS**.
* Debug the application to traverse the documents and manipulated the nodes using **DOM** and DOM functions.
* Developed stored procedures and triggers with **PL**/**SQL**.
* Used **Oracle** **11g** as the backend database storage
* Used **JIRA** tool for tracking stories progress and follow agile methodology and sprint planning
* Collaborate with BPM Analysts, Technical Architects and other subject matter experts to understand requirements, design, define, and implement java based solutions related to the organization.
* Used **Continuous** **delivery**/ **Continuous** **Integration** tool **Jenkins** to deploy this application.
* Used **Log4j** for logging and debugging.
* Developed and prepared test cases for unit testing with Junit.
* Suggested Hybris implementation for inventory and software products.

**Environment:** Java EE/J2EE, JSP, Servlet, HTML, CSS, JavaScript, JQuery, AngularJS, NodeJS, JSTL, Spring 3.0, JDBC, Restful, CVS, DOM, Log4j, Business Process Management (BPM), Hibernate3.1, Eclipse(IDE), RAD, Junit, Jenkins, JIRA, XML, XML Schema, JMS, Oracle 11g, MySQL, ANT, Windows NT.

**Arvest Bank, Bentonville, AR Mar 2013 to Jun 2014**

**Java/J2ee Developer**

**Responsibilities:**

* Developed the application using **Agile Scrum** methodology.
* Developed Batch jobs using **Spring Batch** and **Selenium** test cases for automated testing.
* Work involved extensive usage of **HTML, DHTML, CSS, JQuery, JavaScript** and **Ajax** for client side development and validations.
* Designed and Developed the UI Framework using **Spring MVC** and **AngularJS**.
* Developedapplicationon **Spring** frameworkbyutilizingitsfeatureslike **Spring Dependency injection, Spring Beans, Spring data, Spring AOP, Spring Security, Spring JDBC, Spring boot, Spring Web flow using MVC.**
* Implemented **Hibernate** Lazy default fetch plan for generating proxies and collection wrappers and also created fetching strategies for minimizing the number of SQL statements.
* Involved in writing **Spring** MVC controllers and writing custom validations.
* Extensively used Java best practices and implemented several Core design patterns like **Singleton**, **Data Access Object (DAO)**.
* Used WebSphere Application Developer (**WSAD**) to develop and deploy the application.
* Used Asynchronous **JavaScript** and **XML (AJAX)** for better and faster interactive Front-End.
* Responsible for configuring and deploying the builds on WebSphere App Server.
* Used **Maven** for dependency management and for building the application.
* Developed **Spring AOP** aspects to address cross cutting concerns.
* Used **EJB** Session beans and entity beans to develop business services and the persistence.
* Developed middleware components using **Spring** Data and **Hibernate**.
* Used **GIT** for source control and **Jenkins** for continuous integration.
* Worked on **Java Beans** and other business components for the application and implemented new functionalities for the application.
* Used Java Messaging Services (**JMS**) for reliable and asynchronous exchange of important information such as payment status report. Administered and deployed applications into **JBoss** Server.
* Developed **JUNIT** test cases with Power mock to test the applications
* **IBM** **WebSphere** Application Server was used to deploy the application, and **IBM** **RAD** (Rational Application Developer) was used as the **IDE** for development of the application.
* **Log4j** framework was used to debug and trace the application and participating in code reusing.

**Environment**: Core java 1.7, Spring 4, Spring (Data, AOP, Security, JDBC, Boot, Batch), Hibernate 3, HTML, CSS, Angular JS, Jquery, WSAD, Websphere v8, IBM RAD, AngularJS 1.2, Selenium, Junit, JavaScript, HTML, CSS, GIT, Maven, Jenkins, Java Beans, Log4J.

**The Home Depot, Atlanta, GA Apr 2011 to Feb 2013**

**Java/J2EE Developer**

**Responsibilities:**

* Involved in the design and development phases of Rational Unified Process (**RUP**).
* Designed Use Cases, Class Diagrams, and Sequence Diagrams using Visual Paradigm to model the detail design of the application.
* Application was built on **Spring** - **MVC** framework and **Hibernate** as business layer.
* Designed and developed the GUI using swing for Standalone Desktop Interface.
* Used **Spring**-**Core** module for **Dependency** **Injection** and integrated view using Apace Tiles.
* Extensively used **XML** Web Services for transferring/retrieving data between different providers.
* Extensively used **Hibernate** in data access layer to access and update information in the database.
* Used **JMS** Queue communication in authorization module.
* Designed and implemented Business Delegate, Session Facade and DAO Design Patterns.
* Used **JAXB** API to bind **XML** Schema to **java** classes.
* Used the report generation in the **SQL** **Server** 2005 databases written in **PL**/**SQL**.
* Consumed Web Services (**WSDL**, **JBoss**-**SOAP**, **UDDI**) from third party for authorizing payments to/from customers.
* Developed the business components using **EJB** Session Beans.
* Developed database adapter, webservices adapter, ftp adapter, messaging adapter and custom workflow for non **oracle** system using **Camel**.
* Used **ANT** for building the enterprise application modules.
* Used **CVS** for Version control.
* **Log4J** to monitor the error logs and performed unit testing using **JUnit**.
* Deployed the applications on **IBM** **Web** **Sphere** Application Server 5.0.

**Environment:** Java SE, Java 1.5/J2EE, Spring, Hibernate, Visual Paradigm , IBM Web Sphere Application server, SQL Server, Spring MVC, Web Services,  Apache CAMEL(Integration), JBoss-SOAP, WSDL, ANT , JMS , JavaScript, JDBC, AJAX, PL/SQL, Log4J, JUnit, JAXB, IBM Web Sphere.

**Evoke Technologies, India Jun 2009 – Feb 2011**

**Software Developer**

**Responsibilities:**

* Technical analysis, design, development, and documentation with a focus on the implementation and agile development.
* Developed a web-based reporting system with **JSP**, **DAO** and **Apache** Struts-Validator using Struts framework.
* Designed and Developed **Struts** Action classes, **DAO**, Views using **Struts** custom tags.
* Designed and Developed the **JSTL** Tag Libraries for the View side.
* Developed Struts-based form validation, Application error handling using **Struts** Validator framework.
* Developed business objects, request handlers and **JSPs** for this project using **Java** (**Servlets**) and **XML**.
* Developed **Core** **Spring** components for some of the modules and integrated with existing **struts** framework.
* Define, document, and implement application code using **Java**/**J2EE** technologies (**Java**, **Servlets** and **JSP**) and frameworks (**Hibernate**, **spring**), interfaces and architectural solutions according to best practices.
* Wrote **SQL** queries to fetch database result on **oracle** **10g**.
* Created Test Specifications, Test Documents, Test Data for all the applications worked with Rational Rose and Together.
* Implemented **Log4J** for Logging Errors, debugging and tracking.
* Mapping of fields between the client's **XML** and Remedy incident management system.
* Involved in the creation of database tables and Java Database connections between the Gate Way interface and **My** **SQL**.
* Wrote stored procedures, complex queries using **PL**/**SQL** to extract data from the database, delete data and reload data on **Oracle** using the **Toad** t**o**ol.

**Environment:** Java, J2EE, JSP, JSTL, XSLT, XML, MVC Design, Agile methodologies, Web logic, Oracle10g, TOAD, PL-SQL Developer, JavaScript, Hibernate, CSS, AJAX, Apache Tomcat, Struts, Eclipse, UML, LINUX, Shell script.