**SHARANYA K**

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**SUMMARY:**

* **6+ years** of IT Experience in designing, developing and deploying web applications and client/server applications using **JAVA,** **J2EE technologies, Application Frameworks**, **HTML, JavaScript, JQuery, AngularJS, CSS, AJAX.**
* Experience in all phases of Software Engineering (SDLC), Project management (Waterfall & Agile/Scrum Methodology) including Requirement Gathering, analysis, Define project scope, Design, Coding, App & web server installation, deployment, Manual Testing and Implementation.
* Extensive experience in application development using Java **J2EE, EJB, JMS, JSF, Servlets, Struts, Spring, JSF, JQuery, Hibernate, XML, JavaBeans, JDBC, UML, WebLogic, JBoss, Apache Tomcat, JSON, Spring Security.**
* Working in Web application development using **HTML, DHTML, CSS, UML, AngularJS, JavaScript, JQuery, Bootstrap, AJAX, JSF, J2EE (JSP, Servlets, JDBC, JNDI), JavaBeans, XML, Oracle, SQL, Struts and Spring MVC.**
* Good Experience with **Springs, Spring IOC, AOP, MVC, Spring Security, Spring JPA, Spring Batch.**
* Experience in **Spring Boot, Spring Microservice, Netflix Eureka Server.**
* Experience in **JDBC, EJB** (Session Beans (Stateless and State full), Entity Beans and **MDB** (Message Driven Beans), **JNDI and JMS**.
* Expertise in using and configuring various web and application servers like IBM **Apache Tomcat, JBoss Application Server and WebLogic Application Server.**
* Extensive experience in f **c**oncepts like Exception handling, Multi-threading, Synchronization, Serialization, IO, Collections framework, **Java** Beans.
* Extensively implemented **J2EE design patterns** such as **MVC, Service Locator, Factory Pattern, Session Facade, Singleton, Service Factory, and DAO.**
* Experience with **AWS, EC2, S3, RDS, Cloud formation templates, CICD tools (Jenkins, Git, Ansible playbooks)**
* Good Knowledge in programming with different **IDE's** like Eclipse, Edit plus, My Eclipse, NetBeans, Flash Builder.
* Hands on experience on **Spring Core Annotations** for Dependency Injection and **Spring MVC** for **REST API** s and **Spring Boot** for **Micro services**.
* Good experience with version controls like **SVN, IBM Clear Case, CVS & GIT Hub**.
* Followed **Waterfall and Agile/Scrum methodology** of software development which satisfies the customer through early and continuous delivery of valuable software.
* Excellent analytical, logical and programming skills, Self-Motivated, Self-Starter, Team Player can work with minimal supervision with effective Communication skills and Time management skills.

**TECHNICAL SKILLS:**

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| **Programming Languages** | C, C++, JAVA, J2EE,Java8 |
| **Web Technologies** | XML, HTML, DHTML, CSS, JavaScript, AJAX, JSON, jQuery, Angular JS, React JS, Adobe Flash, Adobe Flex. |
| **Databases** | Oracle, SQL server, NoSQL, Riak DB, MY SQL, MS-ACCESS, MongoDB, Cassandra |
| **J2EE Technologies** | JAVA, Servlets, Struts, EJB, JSF, JDBC, JMS, Java Bean, JUnit, Log4j. |
| **Application Frameworks** | Spring IOC, AOP, Spring Core, Spring MVC, Spring Security, Spring JPA, Spring Batch, Spring ORM, Spring AOP, Spring Hibernate, Spring Boot. |
| **IDE** | Eclipse, Edit Plus, My Eclipse, NetBeans, Flash Builder. |
| **Web/ Application Servers** | Apache Tomcat, Glassfish, IBM WebSphere, Oracle WebLogic, WAS, JBoss |
| **Version Control** | IBM ClearCase, SVN (Apache Subversion), CVS, Git hub. |
| **Design Methodologies** | UML, J2EE Design Patterns, MVC, Agile & Scrum. |
| **Operating Systems** | Windows, MAC-OS, MS-DOS, UNIX, Linux. |
| **CI/CD Tools** | Chef, Docker, Ansible, Vagrant |
| **Testing Tools** | Junit, Mockito, SOAP UI, Firefox Plugin |
| **AWS** | EC2, RDS, S3, ELB, SNS, Jenkins. |
| **Design skills** | UML, Object Oriented Analysis and Design(OOAD), JAVA & J2EE design patterns |

**PROFESSIONAL EXPERIENCE**

**Client: Comcast, Downingtown PA AUG 2018 to Till date.**

**Role: Sr. Java Developer**

Comcast is Telecommunication sector

Comcast is a leading telecommunications company which thrives to provide customers with the maximum bandwidth that it assures to provide with a minimal outage. Thus, customer service is not a department but an attitude.

**Responsibilities:**

* Involved with SCRUM and sprint meetings, managing product backlog, removing obstacles to progress, prioritizing and review milestones and accomplishments.
* Extensively using **Java 8** features like Lambda expressions and Collections.
* Worked proactively with Principal Architects and Development Lead's to define standard **CICD** process suitable for the organization.
* Used **Java 8** **Messaging Services** (JMS) and Backend Messaging for reliable and asynchronous exchange of important information.
* Developed presentation layer includes **UI** components, validations using **HTML5**, applying styles using **CSS**, used **jQuery** to make **Ajax** calls. Design and develop the Process Engine framework using **JBPM**.
* Used **Angular JS, JavaScript**, HTML5 and CSS3 for developing Single Page Application and achieving two-way data binding between HTML and JavaScript Objects.
* Involved in writing application level code to interact with **API'S, Web Services** using **AJAX, JSON and XML**.
* Supported integration of **REST** and **SOAP** web services with front end screens.
* Developed **Micro services** for different application using Spring Boot Frame work
* Wrote code in Go language to access a clever safe object storage system using **AWS** protocol.
* Implemented **Spring Boot, Spring Actuator, Spring REST Service** **and Spring JDBC ORM**.
* Connecting **Spring Rest service** components using Apache Kafka to send the schedules information to up and down stream application
* Worked on **Angular JS, Node JS** which combines web applications with **Model View Controller** (MVC) capability to make development and testing of code efficient.
* Connecting **Spring MVC** components to backend to retrieve customer data
* Configuring and Monitoring the applications using **Kabana**
* Worked with QA to fix any bugs in the system and proactively monitor and fix any exceptions in the current platform.
* Used **cucumber** frameworks for automating web applications.
* Automating test cases using element locators and Selenium Web driver methods. Enhanced **cucumber** test cases for Cross Browser Testing.
* **Using Test Complete and Test Execute tools for automating Web applications. Used JavaScript functions to generalize the flow for all the scenarios.**
* Active Directories configuration with Jenkin for login. Installed Email Configuration, slack notification, power shell scripts and etc.
* Used **React JS** and **Node JS** to develop faster, scalable application.
* long with **Apache Kafka** implementing microservices in Scala.
* Done unit testing with cucumber/java as a Test Runner.
* Involved in Developer Testing, Review and Trouble Shooting.
* Used **GIT** for version control and JIRA for bug tracking.
* Used **Postman** for posting, updating and deleting the data to the end points.
* Worked on cross browser compatibility issues and fix the bugs pertaining to various browser.
* Developed unit test cases for the service in the application.
* Followed Agile Methodology for the project implementation with day to day updates through SCRUM.

Environment: Java, React JS, GitHub, Node JS, JQuery, JSON, Eclipse, Cucumber Framework, MySQL database, Cassandra, Docker, Spring Boot, Spring Actuator, Spring REST Service, Spring JDBC ORM, Micro services.

**Client: UBS AG financial services, Weehawken-NJ Feb 2018 to July 2018**

**Role: Java/J2ee Developer**

Ubs group AG is a Swiss multinational investment bank and financial services.

UBS presented one unified group to handle all Fixed Income cash and derivative products to assist clients in managing their assets and liabilities. Fixed Income division offered many investment options including Global Bonds, US Bonds, Emerging Markets Debt, US High Yield, Municipal Fixed Income, etc

**Responsibilities:**

* Used Object Oriented Analysis and Design OOAD for building applications.
* Involved in Analysis, Design, and Implementation of software applications using Java, J2EE, XML and XSLT and Web Services (SOAP, WSDL).
* Implemented **J2EE** design patterns like Singleton and Session Facade.
* Developed **Micro Services** and implement them using Java language.
* Created sequence diagrams, collaboration diagrams, class diagrams, use cases and activity diagrams using Rational Rose for the Configuration, Cache & logging Services.
* Designed and developed the project using **MVC design pattern**.
* Written **MongoDB** scripts to insert and update **NoSQL** database.
* Experience in upgrading the existing **Cassandra cluster** to latest releases.
* Extensive experience in deploying, managing and developing **MongoDB** clusters.
* Implemented and administered Data center Cassandra Clusters based on the knowledge of architecture and data modeling for **Cassandra** applications.
* Developed front end using **Struts framework**, business components using EJB's.
* Implementing Tiles based framework for application common page layouts.
* Created the **web UI using Struts, JSP, Servlets, JQuery UI and Custom tags.**
* Designed **REST APIs** that allow sophisticated, effective and low-cost application integration.
* Deployment of Application in the **JBoss Server** environment using **ANT** tool using **Struts architecture** with the JSP Client.
* Coded different action classes in struts responsible for maintaining deployment descriptors like **Struts-Comfit. EJB-JAR and Web.XML using XML.**
* Used **JSP, JavaScript,** Custom Tag libraries, Tiles and Validations provided by **Struts framework.**
* Developed and deployed **Session Beans** and **JPA Entities** for database updates.
* Developed API using Node.js to allocate access to data in SQL, **MongoDB.**
* Developed stored procedures and complex packages extensively using **PL/SQL and shell programs.**
* Used Struts-Validator frame-work for all front-end Validations for all the form entries.
* Developed SOAP based Web Services for Integrating with the Enterprise Information System Tier.
* Prepared EJB deployment descriptors using **XML.**
* Expertise in implementing Micro Services using Spring boot and Spring Cloud services
* Involved in Configuration and Usage of Apache **Log4J** for logging and debugging purposes.
* Used **JAXP (DOM, XSLT), XSD for XML** data generation and presentation
* Wrote Junit test classes for the services and prepared documentation.

**Environment:** Java/J2EE, JSP, Struts, EJB, JAXB, XSLT, DOM, XML, EJB, Webservices, Micro Services, JNDI, J2EE, RSA, JBoss, Rational Rose, CVS, Oracle, Junit, Rest API, Riak-KV NoSQL database, Cassandra, Rational Rose, MongoDB, IBatis, Kafka, JavaScript, Jquery, DHTML.

**Client: Ford Motor Company, MI June 2017-Jan 2018**

**Role: Java developer**

Ford motor company is an American international automaker. The Smart Auction application is an online vehicle auction website that enables buying and selling of vehicles, reporting, and administration of both Dealers and Vehicles. It has numerous interfaces supporting auction activities for variety of users including GMAC Executive Office, Auction Administrators, Dealers (Buyers/Sellers), Sales People, and Operations Support.

**Responsibilities:**

* Extensively involved in business requirements gathering and technical and functional walk-through meetings
* Used **IBM RAS** for coding, debugging and testing the application modules.
* Used different user interface technologies such as **HTML5, CSS3, JavaScript, Angular JS and JSON and bootstrap** for developing responsive single page applications
* Used different user interface technologies such as Spring batch which triggered on message from Queues
* Used and implemented **MDB** Message Driven Beans, Faced, Services and Expressions for developing client-side widgets, validations and client-side business logic
* Developed SOAB based web service to interact with ETL system, through **JMS**.
* Developed components to access data from **MongoDB** and DB2.
* Developed RMI interfaces to interact with IBM MDM (Master data management).
* Worked on Integration and Analytics based on **Kafka** and **NoSQL** databases
* Successfully secured the **Kafka** cluster with Kerberos.
* Closely associated with **Cassandra DBA** in implementing Cassandra data model in application environment to ensure solution is not affecting existing business as usual
* Involved in designing, capacity planning and implementing multi-rack Cassandra cluster.
* Designed and developed Micro Services business components and RESTful service endpoints using **Spring boot**.
* Used **AWS** Lambda to manage the servers and run the code in the AWS.
* Worked on claims processing, fraud analysis and reports generation modules in the application
* Implemented the application modules using **Spring Core (IOC), Spring Security, Spring JDBC, Spring Batch** in order to develop the application
* Migrated Spring based application to cloud based **Micro services**.
* Implemented **Spring batch** and business operations Dependency Injection
* Used **Spring JDBC** to perform data base activities and transactions management
* Involved in the configuration of **Spring Framework** modules
* Used different design patterns like **MVC, Singleton, Data Access Object, and Value Object** etc.
* Used Java Messaging Services (MQ Series and JMS) for developing messaging services to interact with different application modules
* Implemented SOA using Web Services using **SOAP, WSDL and JAX-B, JAX-RS API**.
* Followed **Agile Scrum** development methodology while developing the application
* Involved in peer to peer code reviews and cross checked whether coding standards are being followed
* Involved in continues integration with other application and performed continues integration (CI), continues deployment (CD) using **Maven Jenkins**.
* Worked on **AWS - EC2** instance and used scripts for automation deployment in to the cloud using Ansible and Python scripting.
* Experience in building **Micro Services** and deploying to AWS Cloud.
* Used HP ALM tool for creating change tickets and handling defects and development tasks
* Involved in production support, resolving the production issues and maintaining the application server
* Configured JNDI resources, **Data Base resources, MQ Series** and other configurations on the Application Server

**Environment**: Java , J2ee, Springs, Spring batch, Web Services, Micro Services, AWS, SOAP, REST, SQL, XML, XSD, JAXB, JavaScript, JBoss , IBM RSA, HTML, XML, JSON, Maven, AccuRev, SQL Developer, MongoDB, Cassandra, Kafka, Oracle, UML, JUnit, HP Application Lifecycle Management, Maven Jenkins, Log4j, JMS, Oracle TopLink, CA-Rally.

**iLenSys Technologies Pvt. Ltd, India Nov 2014- Dec 2016**

**Software Developer**

**Role**: I worked on an online insurance quoting and policy application, which enables customers to quote an insurance coverage policy through web. This application delivers online services including customer information, policy premium, and monthly payments, new product offerings and customer correspondence with the company. Auto insurance laws may vary from one state to another.   
**Responsibilities**:   
• Extensively used OOD (Object Oriented Design) and J2EE Design Patterns during the tool's design.   
• Developed Rich UI using **JSP**, **HTML/DHTML**, **CSS**, **JavaScript**, and **JQuery** for user friendly interface.   
• Also developed backend applications using Struts, iBatis.   
• Extensively used **Java/J2EE** design patterns.   
• Worked on **XML** Parsing (DOM/SAX), **XML** Schemas/DTD.   
• Used **HTML, AJAX, Javascript** for the designing of the pages.   
• Used JUnit for Unit Testing.   
• Involved in Performance Tuning of the application.   
• Worked in **Oracle, PL/SQL, SQL\*Plus**.   
• Also responsible for the Reconciliation of database and their scripts caused due to rebase of version control system every week.   
• Worked on the Linux environment.   
• Used **Log4J** for extensible logging, debugging and error tracing.   
• Extensively used **RAD** 7.0 with Debugging and Development.   
• Managed Source Control and Version Control using IBM Rational Clear case SCM.   
• Extensively used Waterfall/Agile Methodology for Development.   
• Documented all the modules and Services involved.

 **Environment:** J2EE, Java, JSP, Struts, iBatis, Maven, JavaScript, HTML, XML, AJAX, RAD, Websphere, PL/SQL, Oracle, Windows, Clear case.

**Client: Core Technologies, INDIA June 2012- Oct 2014**

**Role: Software Associate**

Core Technologies is solution provider in the field of Auto identification and Barcode Technology.

**Responsibilities:**

* Developed Java Server Pages under STRUTS framework using WebSphere.
* Used JUnit to develop test cases. Developed and implemented ANT Script to compile and deploy Involved in various phases of Software Development Life Cycle (SDLC) including requirement gathering, modeling, analysis, architecture design, and development and testing phases.
* Participated in the requirements reviewing sessions and the detailed design of the entire architecture.
* Created Class Diagrams, Sequence Diagrams using Microsoft Visio, prepared application design document.
* Configured Struts\_Config.xml and deployment descriptor Web.xml for the required customization.
* Developed JSP pages and client-side scripts required for Account Mgmt. module of this project.
* Designed and developed UI using HTML/XHTML, CSS, JSP and Struts.
* Developed Action classes for control of the business processes in the middle-tier of STRUTS framework.
* Configured Log4j for better logs tracking.
* Provided technical guidance to business analysts, convert requirements into technical specifications to start working on.
* Developed ANT Scripts for deploying the system into JBOSS Application Server.
* Used CVS for Version Controlling

**Environment:** Java, J2EE, JSP, HTML/XHTML, CSS, Struts, WebSphere App Server, CVS, ANT, DB2

**EDUCATION**

Bachelor of Technology in Computer Science Engineering, Progressive Engineering College, India.