**Avinash**

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**PROFESSIONAL SUMMARY:**

* **Having 8+ years** of **IT experience** in all phases of **Software Development Life Cycle** (**SDLC**) such as **Planning**, **Analysis, Design, Implementation, Testing** and **Maintenance** of **Web Based, Client-Server** and **N-tier Architectures.**
* Experienced in a fast-paced **Agile Development** Environment including **Test-Driven Development (TDD) and Scrum** and **SAFe. (Scaled Agile Framework).**
* Extensive experience of designing and developing software applications with the **JDK, J2EE, EJB, Annotations, Java, JSP, Servlets, Java Beans, JNDI, AJAX, JMS, ORM, JNDI, Web services, JDBC, JAXP, RMI, XML, JavaScript, JQuery, CSS, Web Services (SOAP & RESTful).**
* Having extensive work experience with **Java** **1.7** and **1.8** (**JDK**, **JRE**), **J2EE**, **JSP**, **JavaScript**, and **Hibernate**, **Spring**, **Struts** **MVC**.
* Extensively used Java multi-threading to implement batch Jobs with **JDK** **1.8** features.
* Worked on **Java 1.8** upgrade using new library for refactoring, **Lambda**, **functional interfaces**, **Streams API** processing and **aggregations**.
* Proficient in **Java/J2EE Design** Patterns including **Singleton**, **Factory**, **Model View Controller (MVC),** Data Access **Object (DAO), and Business Delegate**. Well versed with **core Java** concepts like **collections**, **multithreading**, **serialization**, **Java beans**.
* Worked on setting up the life cycle policies to back the data from **AWS S3 to AWS Glacier**.
* Experience utilizing and making custom scripts and applications utilizing the **AWS SDK** and **CLI** Tools.
* Hands on experience with amazon web services **(AWS)** and amazon cloud technologies such as **Amazon EC2** (virtual servers) and **Amazon Cloud Watch** (monitoring).
* Extensive experience as a User Interface/Front End Developer in developing web applications using **HTML, XML, CSS, Java Script, JQuery, AJAX, AngularJS and ReactJS.**
* Extensive experience in **developing JEE** based **Web Services** to expose useful functionality to web users through **SOAP**, **describing them using WSDL**, **registering them using UDDI** for easy availability to potential users and **consuming** using **Axis2, Apache CXF and JAX-WS.**
* Good Working experience in using different modules like **Spring Core Container Module, Spring Application Context Module, Spring MVC Framework module, Spring AOP Module, Spring ORM Module** etc. in Spring Framework.
* Strong **Object-Oriented Analysis and Design (OOAD), ERD documentation, UML artifacts modeling** with **Rational Rose** and **Enterprise Architect**. Applied the requirements engineering, analysis, and design disciplines of the **RUP to J2EE** projects.
* Experience in writing numerous test cases using **JUnit** framework with **JPROB** integration.
* Worked on IDE’s such as **Eclipse, RAD, IntelliJ, STS and JBuilder** for developing, deploying and debugging the applications.
* Developed Cloud Compatible **Micro Services** using **Spring Boot**, java and related **web technologies**
* Used **Spring Boot** which is radically faster in building cloud **Micro Services** and develop Spring based application with very less configuration.
* Implemented various levels of application and services using **Spring-Framework, EJB3 Struts and ORM tools like Hibernate, Ibatis, and MyBatis** for fast pace and efficient code generation.
* Experience working with databases such as **Oracle, MS-SQL Server, MySQL** and using **PL/SQL** to write stored procedures, functions and triggers for different Data Models.
* Experience in database related work primarily creating complex **stored procedures, Views, Triggers, Functions, using PL/SQL.**
* Experience in Configuration Management, setting up company Version policies, build schedule using **Clear Case, SVN, CVS and Git.**
* Expertise working on Application servers and Web servers like **Web Logic,** **JBoss, WebSphere** and **Tomcat**.

**TECHNICAL SKILLS:**

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| --- | --- |
| **Languages** | C, C++, Java 1.7/1.8, J2EE |
| **Enterprise Java** | JSP, Servlet, JDBC and Java security. |
| **Mark-up/XML Technologies** | HTML, CSS, Bootstrap, JavaScript, jQuery, Ajax, AngularJS, XHTML, XML, XSD, XSL/XSLT, SAX/DOM and JSON. |
| **Tools & Framework** | Struts, Spring 3.1, Hibernate 4.3, Spring MVC, Spring Web Flow, Spring IOC, Spring AOP, Spring Boot, Spring Security, Spring Data, JSF, JUnit, Mockito, Visual Studio Code. |
| **Web services** | SOAP, RESTful, UDDI, WSDL, JAX-RPC, JAX-RS JAX-WS, JAX-B, Axis and Apache CXF, Postman, Micro Services. |
| **Web/App Servers** | Web Sphere, Apache Tomcat 6.0/7.0/8.0, JBOSS 7.1, Glass fish and Web Logic 12c Server. |
| **Cloud Technologies** | Amazon Web Services (S3, IAM, EC2, VPC, Route 53, Lambda, AMI, SQS/SNS, Cloud watch, Security Groups, CDN, API Gateway, Auto Scaling) |
| **Database** | Oracle 9i/10G/11G, SQL Server, MySQL, DB2, MongoDB and Dynamo DB. |
| **Development Tools** | RAD, Spring Tool Suite, IntelliJ, Eclipse. |
| **Testing Tools/ Others** | Junit, SOAP UI, TOAD for Oracle, PL/SQL Developer, MS SQL Server Management Studio. |
| **Version Control** | Tortoise SVN, CVS and Git  |
| **Design Patterns** | Singleton, Factory, MVC, Front Controller, Facade, Business Delegate and DAO patterns. |
| **Operating Systems** | Windows, UNIX and LINUX |

**PROFESSIONAL EXPERIENCE:**

**Client: Daimler Trucks North America May’ 19 – Present**

**Location: Portland, OR**

**Role: Full Stack Java Developer**

**Description:** The Dealer portal Website is designed and being supported for DTNA dealers for ordering the trucks parts through online. The dealers can request access to the Online Orders tool including the ability to view/export/print specific mandatory and/or options reports.

**Responsibilities:**

* Involved in various phases of Software Development Life Cycle (**SDLC**) of the application like Requirement gathering, Design, Analysis and Code development and understanding of business requirements and implement the process using **Agile (Scrum)** methodology.
* Implemented the front-end using **HTML5, CSS3, Ajax, JavaScript, Bootstrap, jQuery, NodeJS** and **Angular9.**
* Created responsive web pages using **Bootstrap** and wrote client-side application in a clean MVC model using **Angular9**
* Used **JAVA 8** features like **Lambda Expressions, Parallel Streams** and **functional interfaces.**
* Implemented **Core Java** concepts like **Multithreading, Concurrency, Exception Handling and Collections** wherever necessary in the application.
* Developed **RESTful Web Services** with **JAX-RS** using **Spring Boot** and **Micro Services Architecture.**
* Implemented the application using **Spring IOC, Spring MVC, Spring Boot, Spring Security** and **Hibernate.**
* Used **Spring IOC** framework for **Dependency Injection and Spring AOP** for logging purposes.
* Implemented the **authentication** and **authorization** of the application using **Spring Security** and **Oauth.**
* Implemented the application using various **design patterns** such as **Singleton, DAO, Factory** and **Service Locator.**
* Used **JSON** for data exchange between **client** and **server** and developed the **REST** based Microservices using the **Spring Boot**.
* New library development with **micro services** architecture using Rest APIs, **Spring boot** and pivotal cloud fundry.
* Worked on **Monitoring API’s with Spring BOOT Actuator** and Implements **swagger** in **Spring BOOT** Rest Web services.
* Implemented **Spring BOOT AOP, Spring BOOT JPA, Spring BOOT** **Caching** in current application.
* Developed a job server (**REST API**, **Spring Boot**, **ORACLE DB**) and job shell for job submission, job profile storage, job data (HDFS) query/monitoring.
* Implemented **Spring boot microservices** to process the messages into the Kafka cluster setup.
* Diverse experience utilizing tools in N-tier and **Microservices** architecture applications using **Spring Boot**, **Spring Cloud config**, **Netflix OSS components (Eureka, Zuul, Hystrix)**, **Pivotal Cloud Fundry**, **AWS**, **Rabbit MQ**, **Kafka**, **Zookeeper**, **Cassandra**, **My SQL**, **Restful Web Services**.
* Experience in using build/deploy tools such as **Jenkins, Docker and OpenShift** for Continuous Integration & Deployment for **Microservices**.
* **Spring beans** were used for controlling the flow between **UI** and **Hibernate.**
* Used Spring Data Framework to use the features of **Spring JDBC** and **Spring ORM** classes like **JDBC Template** and **Hibernate Template** to perform the database operations by connecting to Data sources available.
* Used Rest Controller in Spring framework to create **RESTful Web services** and **JSON** objects for communication.
* Converted a monolithic app to microservices architecture using Spring Boot using 12-factor app methodology. Deployed, Scaled, Configured, wrote manifest file for various Microservices in PCF.
* Implemented **REST Microservices** using **Spring Boot**. Generated Metrics with method level granularity and Persistence using Spring AOP and **Spring BOOT Actuator**.
* Used spring **config server** for centralized configuration and Splunk for centralized logging. Used Concourse and **Jenkins** for **Microservices** deployment.
* Performed **CRUD** operations like Update, Insert and Delete data in **Mongo DB.**
* Migrated existing monolithic application into Cloud environment using **Amazon Web Services.**
* Developed **Micro-Services** based **architecture** to enable the application to be deployed on **AWS.**
* Responsible for creating an instance on **Amazon EC2 (AWS)** and deployed the application on it.
* Worked on **AWS** services to deploy static websites and dynamic Web Apps on EC2 using **Elastic Beanstalk** and **Elastic Container Service-Docker**.
* Implemented a Continuous Delivery pipeline with **Docker, Jenkins** and **GitHub** and **AWS AMI’s.**
* Developed **Java API** to interact with the **Amazon SQS** used in sending bulk emails.
* Used **Docker** to containerize the Services and APIs to run on EC2 instances.
* Deployed **Spring Boot 2.x** based **Microservices Docker** container using **Amazon EC2** container services and using **AWS** admin console.
* Development of infrastructure automation in **AWS** (**EC2**, **Dynamo DB**, **Lambda**, **EBS**, **RDS**, **ELB**, **EIP** and etc) with **AWS** **Cloud** Formation.
* Maintaining **EC2 Services** like **launching instances, attaching volumes, configuring security group, monitoring**.
* Created EC2-instances, S3 buckets and VPC Configurations.
* Implemented build stage-to build the Micro Service and push the **Docker Container** image to the private Docker registry.
* Worked on **Mongo DB** database concepts such as locking, transactions, indexes, Sharding, replication and schema design etc.
* Written **SQL, PL/SQL**, **stored procedures** for **Oracle** database.
* Used **Active MQ** to communicate with controller and used service layer to implement the business logic.
* Used Mockito for testing the application and **Log4j** for logging all the debugging and error information.
* Used **Maven** as build automation tool and responsible for **Continuous Integration (CI) and Continuous Delivery (CD)** process implementation using **Jenkins**.
* Used **GitHub** as Version Control tool, **Jira** for issue tracking and **Intellij** as **IDE.**
* Deployed and tested the application on **Web Sphere Application Server.**

**Environment**: Agile Methodology, Java 1.8, J2EE, HTML5, CSS3, JavaScript, jQuery, Angular9, Spring IOC, Spring AOP, Spring MVC, Spring Security, Spring Boot, Microservices, Hibernate, RESTful, SOAP, Mockito, Amazon Web Services, EC2, SQS, Docker, Active MQ, Oracle, MongoDB, Maven, Jenkins, GitHub, Jira, UNIX and Web Sphere Application Server.

**Client: Blue Cross Blue Shield Dec’17 – May’19**

**Location: Chicago, IL**

**Role: Full Stack Java Developer**

**Description:**  Government Health Service Application (GHCSA) is the online project developed for Government of New Mexico for the medical Claims from the Nursing Facilities Domain. We consume multiple API’s from Upstream application to process the different kinds of nursing facility data and will store the data in our database. This data we store in Database will send across to different downstream application where vendors will use the Data for processing the claim. These processes will execute based on Job Scheduler on daily basis across to the State of New Mexico.

The report will be transferred as FTP (File transfer protocol), that deployed on the server location where a batch file will be triggered to send a mail across all vendors with the file attachment. We allow user to modify the personal information of the member, nursing facility before sending the reports to the respective vendor from GUI.

**Responsibilities:**

* Gathering the requirements from business and analysis the scope of the implementation in the design phase and avoiding the leakage defects in design phase by delivering the quality production on time with NO impact to existing modules/flows.
* Involved in analysis, specification, design, and implementation and testing phases of Software Development Life Cycle (**SDLC**) and used **agile** methodology (**SCRUM**) for developing application.
* Application is implemented using **agile** methodology where there is a daily **SCRUM** meeting to understand the status and resolve any issues.
* Worked on high level and low-level system design, planning, estimation and implementation.
* Developed presentation layer using **HTML5, CSS3, SCSS, SASS, Angular 6, NodeJS, ExtJS** and client validation using **JavaScript.**
* Developed Single Page application and structured the **JavaScript** code using **Angular 6.**
* Designed and developed template-based User Interface using **Bootstrap** and **Angular 6.**
* Handled all the client-side validations, slide show, hide and show controls, dropdown menus and tab navigation using **jQuery.**
* Developed Crypto RESTful Services using **NodeJS** and integrated services with HSM (Hardware Security Module).
* Worked with modules like MongoDB and Mongoose for database persistence using **Node.js** to interact with MongoDB.
* Developed the application using **Java 1.8** and implemented its features like **Lambda Expressions, Time API, Streams, Functional Interfaces, Collectors, Default Methods, Type Interfaces**, for each.
* Worked on development and implementation of the **MVC** architectural pattern using **Spring Framework**.
* Extensively used various **Spring Framework** modules like **MVC, Dependency Injection (IOC), Auto Wiring, Spring Security, Spring BOOT and AOP**. Created and injected **Spring Services**, **Spring Controllers** and **DAOs** to achieve dependency injection and to wire objects of business classes.
* Used **Spring BOOT** framework at the web-tier level to isolate each layer of the application so that complexity of integration will be reduced and maintenance will be very easy.
* Used **Spring AOP** for solving cross-cutting concerns like keeping customer log data and transactions details.
* Implemented Batch jobs to deal with large number of chunks using **Spring Batch framework** to execute the similar jobs simultaneously.
* Developed **Spring BOOT** based **Microservices** application**.**
* Worked on **Monitoring API’s with Spring BOOT Actuator**.
* Worked on **Spring BOOT starter Data JPA, starter Actuator, Packaging** and **Auto Configuration**.
* All the functionality is implemented using **Spring IO** / **Spring Boot** and **Hibernate ORM**. Implemented Java EE components using **Spring MVC, Spring IOC, spring transactions** and spring security modules.
* developing Microservices using **Spring Boot, Netflix OSS (Zuul, Eureka, Ribbon, Hystrix**) and followed domain driven design.
* Enterprises Integrated Pattern Implemented with **Apache Camel (ESB).**
* Developed a **RESTful** based service for data retrieval to make it independent in **Spring BOOT** Application.
* Involved on development of **RESTful** Web Services using **JAX-RS** in a **Spring BOOT** based project.
* Implemented Generic Exception Handling for all resources in **Spring BOOT Project**.
* Implemented Validations for **Spring BOOT** based **Micro services application**.
* Worked on **XML** and **JSON** for transferring and retrieving data between different applications.
* Wrote services to store and retrieve user data from **MongoDB** for the application on devices.
* Used **WebSphere** Application Server to deploy the application.
* Excellent in deploying the applications in **AWS** as **EC2** instances and create snapshots for the data that must be stored in **AWS S3**.
* Utilized **Amazon Web Services** (**AWS**) **EC2** to deploy **Docker** Containers.
* Handling disk space, port down, unreachable, CPU usage, cores & Success rate of service issues handling in SLA times.
* Maintaining EC2 Services like launching instances, attaching volumes, configuring security group, monitoring.
* Created and configured the Continuous Delivery pipelines for deploying **Microservices** and **Lambda functions** using **Jenkins** **CI** server.
* Experience in using **JUnit** and build tools such as **MAVEN.**
* Collaborated with testers and developers and prepared test plans for producing high quality software applications.
* Worked on **Log4j** for logging errors, messages and performance logs

**Environment:** Agile Methodology, Java1.8, HTML5, CSS3, JavaScript, Bootstrap, Angular 5/6, React with Redux, **Spring Boot**, Spring MVC, Microservices, Java, Maven,Visual Studio Code, Amazon Web services (AWS), Docker, Maven, Log4j, IntelliJ, SQL, MongoDB, ES6, ReactJS, Redux, JSON, Git, Protractor, Nimsoft, JIRA, Postman, Linux, Putty, Shell Scripting, Postman

**Client: Charter Communications July’16 – Nov’17**

**Location: Denver, CO**

**Role: Java/J2EE Developer**

**Description:** Consulting+ is a web-based order management system for Charter residential service. Charter Customer Service Representatives will use Consulting + thin client application to order various telephone services for the residential customers. This application replaces the existing thick client application to place the orders.

**Responsibilities**:

* Involved in various phases of Software Development Life Cycle (**SDLC**) such as requirements gathering, modeling, analysis, design and development using **Agile** (**Scrum**) **Methodology**.
* Involved in **Daily Scrum meetings**, Sprint planning and estimation of the tasks for the user stories, participated in retrospective and presenting Demo at end of the sprint.
* Developed the UI by using **HTML, CSS, jQuery, DOM, JavaScript** and **Ajax.**
* Used **JAVA 8** features like **Lambda Expressions, Parallel Streams** and **functional interfaces.**
* Used **Spring Framework** in the application, which is based on **MVC design pattern** and integration with **ORM** framework (**Hibernate**).
* Configured **Hibernate** Objects as **Spring Beans** in **Spring** configuration file.
* Used **Hibernate** Persistence Strategy to interact with database.
* Created **Responsive Designs** (Mobile/Tablet/Desktop) using **Bootstrap,** **HTML5** & **CSS3**.
* Implemented user interface guidelines and standards throughout the development and maintenance of the website using **DHTML, HTML5, CSS3, JavaScript**, and **Font Awesome.**
* Used **Java Message Service** (**JMS API**) for reliable and asynchronous exchange of important information.
* Integrate with various databases for retrieving the data using **AJAX** and **JSON**.
* Extensively used **Spring IOC, AOP**, configured Application Context files and performed database object mapping using hibernate annotations.
* Used **Spring** Framework for **Dependency injection** and integrated and used **DAO** design pattern to retrieve the data from database.
* Communicating with different web services by using **Spring** **Integration**.
* Used **Spring Security** for Authentication and Authorization of the application.
* Implemented **Restful** web services using **JAX-RS** annotations, **Jersey** as provider and implemented security using **OAuth.**
* Consumed **SOAP** and **Restful web services** in **SOA** environment and used **SOAP UI** for testing.
* Consumed Web Services to interact with other external interfaces in order to exchange the data in different forms by using **Restful service**.
* Extensively used **JSON** to parse the data from server side to satisfy the business requirement.
* Developed **Java Persistence API (JPA)** through **Hibernate and** Worked on **Hibernate** and **Spring-JDBC** in development of DAO Layer.
* Responsible for designing **Hibernate mapping** files based on business logic and Object relationships.
* Used **UNIX** commands and **Shell scripting** for troubleshooting and Production Support.
* Used **RESTful WebServices** for sending and getting data from different applications using **SOAP** messages.
* Used Asynchronous **JavaScript** and **XML** for better and faster interactive Front-End.
* Used **JMS** in the project for sending and receiving the messages on the queue.
* Used **Hibernate** to access **Oracle 9i** database for accessing customer information.
* Involved in writing application-level code to interact with **APIs, WebServices** using **AJAX, JSON** and **XML**.
* Used **JUnit** framework for Unit testing of application.
* Used **Log4J** for application logging and notification tracing mechanisms.
* Used **Maven** tool for building and deploying the Web applications.
* Used **JIRA** for tracking the Project Stories and used **Git** as version control tool.
* Followed **Scrum** under **Agile methodology** and used **Test Driven Development** **(TDD)** throughout the SDLC process.

**Environment:** Agile Methodology,HTML5, CSS3, JavaScript, Bootstrap, Angular 5/6, React with Redux, Spring Boot, Spring MVC, Microservices, Java, Maven,Visual Studio Code, Amazon Web services (AWS), Docker, Maven, Log4j, IntelliJ, SQL, MongoDB, ES6, ReactJS, Redux, JSON, Git, Protractor, Nimsoft, JIRA, Postman, Linux, Putty, Shell Scripting, Postman.

**Client: Tek Strom Inc Jun’15 – July’16**

**Location: Bangalore, India**

**Role: Java Developer**

**Description:** The objective of this project is to implement a web based front end system which can be used by the employees, managers and higher-level management having specific role permissions for effective processing of day to day business activities in the company like leave management, project management and resource management etc.

**Responsibilities**:

* Actively involved in the process of **Software development lifecycle (SDLC)** whichincludeanalysis, design, and development of the application using **WATERFALL** methodology.
* Developed web applications using **Struts, JSP, Servlets, Java beans** that use **MVC** design pattern
* Developed the application using **Struts 2.0** Framework that leverages classical **Model View Controller (MVC)** architecture.
* Developed **Struts Action Forms, Action classes** and performed action mapping using Struts.
* Performed data validation in Struts Form beans and Action Classes.
* Used Form Based Authentication.
* Created user-friendly **GUI** interface and Web pages using **HTML, CSS, and JSP**
* Wrote **JavaScript** for client-side validation.
* Used Eclipse as IDE tool for creating **Servlets, JSP, and XML**.
* Used **Hibernate framework** for **Entity Relational Mapping**.
* Used **MySQL** database for data persistence.
* Used **Rational Clear Case**as source control system.
* Expertise on entire Intranet and Internet applications using Web/Application Servers like **Tomcat** Involved in unit testing, integration testing.
* Developed **JUnit** test cases for all the generated modules. Used **SVN** as version control.
* Monitored the logs using **Log4J** and fixed the problem.
* Worked on bug fixing and production support.

**Environment:** Java, J2EE, JSP, HTML, CSS, JavaScript, Ajax, Servlets, JDBC, My SQL, SQL, JUnit, ANT, SVN, IBM RAD, Log4j, JIRA and Apache Tomcat Server.

**Client: Savisra Software Solutions Pvt. Ltd Aug’13 – May ’15**

**Location: Hyderabad, India**

**Role: Java/J2EE Developer**

**Description:** Was a part of a 3-member’s team, working under a Sr. Analyst, to identify and resolve technical issues during the design and development of its first Blast-Analytical System. Responsible for all facets of system related projects, business analysis, scope and specification reviews, system analysis and design, project management and scheduling, program testing, maintenance and training.

**Responsibilities**:

* Involved in the implementation of design using vital phases of the Software development life cycle **(SDLC**) that includes **Development, Testing, Implementation** and **Maintenance** in **WATERFALL** methodology.
* Designed and developed dynamic **Web Pages** using **JSP,** **HTML, CSS, JavaScript and JQuery.**
* Implemented the **Struts framework** based on **MVC** design pattern and **Session Façade Pattern** using **Session** and **Entity Beans.**
* Used **Struts** for web tier development and created **Struts Action Controllers** to handle the requests.
* Involved in writing the **struts-config** files and implemented the **Struts Tag library.**
* Responsible for designing, coding and developed the application in **J2EE** using **Struts MVC.**
* Implemented **Struts framework** (Action & Controller classes) for dispatching request to appropriate classes.
* Used simple **Struts Validation** for validation of user input as per the business logic and initial data loading.
* Developed **Restful Services** and **SOAP** based **Web Services.**
* Developed **Web Service** provider methods (bottom-up approach) using **WSDL** and **SOAP** for transferring data between the applications.
* Worked on **XML** technologies like **XML Parsers, JAXB** for binding data to java objects.
* Used **Java Messaging Services (JMS)** for reliable and asynchronous communication.
* Implemented the persistence layer using **Hibernate** and **JDBC Template** and developed the **DAL (Data Access Layer)** to store and retrieve data from the database.
* Responsible to writing **JDBC** programming to persist the data in **My SQL database.**
* Written some **SQL Queries** and **PL/SQL procedures** to fetch data from the database.
* Tested Service and data access tier using **JUnit**.
* Used **Web Logic** for application deployment and **Log 4J** used for Logging/debugging.
* Used **CVS** version controlling tool and project build tool using **ANT.**
* Worked with production support team in debugging and fixing various production issues.

**Environment:** Java, J2EE, JSP, HTML, CSS, JavaScript, jQuery, Struts, Restful Services, SOAP, WSDL, Hibernate, JDBC, JMS, My SQL, CVS, ANT, Log4j and Web Logic.