**Venkat Sai**

**Mobile: (704) 837 8374**

**Summary of Professional Skills:**

* **11+ years** of professional experience in all phases of J2EE Application design and development, Web based applications with **Object Oriented Technologies,** production support and testing.
* Worked extensively with Core Java, **Multithreading**, and Collections.
* Extensive development experience in Web application development using Java frameworks **Spring MVC, JSF, Struts**.
* Experience in front end development using **HTML5, CSS3, JavaScript, AngularJS, jQuery, Google Web Toolkit, Yahoo User Interface**.
* Experience in Java Persistence layer development using **Hibernate/JPA***.*
* Good knowledge in using **Amazon Web Services** like **Amazon EC2, Amazon simple DB, Amazon RDC, Amazon SQS**
* Extensively worked on form validation using the **Spring Validator framework**.
* Good understanding of **Document Object Model** (DOM) and **DOM** functions.
* Good knowledge working on various SPA (Single Page Applications) using **AngularJS**.
* Extensive experience in Analysis, Designing, Development, Implementation and Deployment of High-Performance, Scalable, Distributed Applications.
* Use of **IDE** like **Eclipse, NetBeans, Sun ONE Studio**, and Visual Source Safe and **Erwin** for Database Schema Design.
* Good knowledge of **Spring Core, Spring batch, Spring security, Spring boot, Spring MVC and Spring’s integration with Hibernate and Struts technologies**.
* Used **Spring Batch** and **JPA** and implemented services to do backend processing in **Financial Domain.**
* Experience in using build automation using **Ant, Maven, Gradle.**
* Worked with **Software Development Life Cycle SDLC**Requirements Specification, Design documents and writing Test cases -**Waterfall to Agile** methodology**.**
* Strong experience in Spring Framework modules such as Spring **MVC, IOC, AOP, JDBC, JTA, IO**, Spring Dashboard, Spring Boot, Spring Micro services, Spring REST, Spring Eureka, Spring Ribbon, **Spring Netflix**, **Spring Zuul Proxy**
* Expertise in development, deployment and troubleshooting Web based and enterprise-based applications on Windows, **UNIX, and Linux platforms**.
* Experience in Client-side validations using **AJAX in Node JS, Angular JS, Angular2, Angular 4**, Knockout JS, React JS, NPM, D3, and dashboard reports using Backbone JS, Full stack UI technologies using Grunt, Gulp Server and **Yeoman** generator for Angular JS.
* Experienced in UI frameworks such as jQuery, **Ajax, Google Web Toolkit (GWT), JavaScript, NodeJs,** ReactJs, AngularJS, Tag Libraries, and Custom Tags.
* Experience in working with JavaScript testing frameworks **Karma, Jasmine, Protractor.**
* Experience in Web application functional testing using **Selenium.**
* Involved in writing and testing test scripts using **Selenium** WebDriver and Java Object Oriented Programming Language.
* Developed Automation scripts for new enhancements using **Selenium** **WebDriver and TestNG**.
* Able to write Java Test Automation Script (.java) using **Java, Selenium** and **Web Driver**.
* Experience in java unit testing using **JUnit**.
* Experience in **Restful web services** development using **Jersey and Apache CXF.**
* Experience in **SOAP web services** development using **Apache Axis2.**
* Experience in Maintaining WebLogic Server on different UNIX platforms and setting up the Development, Testing, Staging and Production environments.
* Implemented **Java Messaging Service (JMS) - AMQ** Series provides independent and potentially non-concurrent applications on a distributed system to communicate with each other, Used to achieve Service Oriented Architecture (SOA).
* Knowledge of **Search Engine Optimization**, Web Accessibility and Web Securities.
* Expertise in working with relational databases **Oracle** and **SQL Server.**
* Expertise in working with NoSQL databases like **MongoDB, Cassandra**.
* Worked with **MongoDB** and used **Mongo** Shell and **RoboMongo** to access it.
* Worked on new development and maintenance of the application with the goal of converting the legacy application to **microservices** architecture.
* Designed a monitoring solution for **Microservices**.
* Created a custom **Microservice** to test the validity of the Producer and Consumer API.
* Experienced with IDEs such as **Eclipse, Atom, STS, IntelliJ and JDeveloper**.
* Utilized Java logging frameworks such as **Apache Log4j** to display debug and error log messages.
* Hands-on experience in configuration and deployment of multi-tier applications using servers like IBM **WebSphere, Web Logic, Apache Tomcat, JBoss and GlassFish** etc.
* Experienced in writing **PL/SQL procedures, Triggers** in Oracle and **Stored Procedures** in DB2 and **MySQL**.
* Design and develop **Microservices** for various activation and management activities in one network flow
* Worked on different Application Servers like Oracle/BEA **WebLogic**9.x/8.x/7.x/6.x, **JBoss** and **Tomcat**.
* Configuring, **Automating and Deploying Chef**, Puppet and Ansible for configuration management to existing Infrastructure.
* Good experience in unit testing using **Jasmine and JUnit, Automated Testing** using Java, **Junit/TestNG**, Selenium (IDE/Web driver), Integration Testing **using Continuum, Selenium, Hudson**, Jenkins, and Apache camel.
* Strong debugging and troubleshooting skills.
* Hands-on experience with scripting languages like Linux, Unix.
* Solid experience of application defect/Test management tools like JIRA, Quality Center/Test Director, and **Bugzilla**.

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| **Programming Languages** | Java, J2EE, PL/SQL, Python, C, C++. |
| **JavaScript Frameworks** | AngularJS, Node JS, jQuery, React JS |
| **Application/Web Servers** | Tomcat7.x/6.x/5.x, WebLogic10.3/9.2/8.1/7.0, Apache 2.x, WebSphere 6.1/7.0, Apache ActiveMQ 2.9.0, JBoss |
| **Databases** | Oracle, MS Access, MySQL, IBM DB2, MongoDB. |
| **IDE** | Sublime text, Notepad++, Brackets, Edit plus, Eclipse, IntelliJ, NetBeans. |
| **Web Development** | HTML, DHTML, HTML5, XHTML, CSS, JavaScript, Angular JS, Node JS, AJAX, JSON, Typescript. |
| **Standards**  **frameworks** | Hibernate, Spring 4.x/2.5/3.1, Spring Batch, JDBC, JSP, JSF, Servlets, DOM, DOJO, RESTful, Junit, Jasmine, Jersey, Postman, Restful web services, Log4j, SLF4J, Spring Boot, Micro Services |
| **Tools** | MS Excel, MS PowerPoint, MS Word, MS SharePoint, TOAD, SOAP UI |
| **AWS Cloud**  **Technologies** | AWS EC2, Load balancers, S3, VPC, SNS, Cloud Formation, SES, RDS, Aurora, DynamoDB, Terraform, Chef |
| **Build & Design Tools** | UML, Rational Rose, Maven, Ant, Jenkins, Gulp, Karma |
| **Version Control** | GitHub, SVN, CVS. |
| **Platforms** | Windows (98, XP, 7 , 8), UNIX, LINUX, CentOS , |
| **Testing Tools** | Selenium, Cucumber, J Unit, Q Unit. |
| **Cloud Services** | Microsoft Azure, Amazon cloud services. |
| **Methodologies** | Agile, Waterfall, Rup, Xtreme. |

**Professional Experience:**

**Swift Transportation, Raleigh, NC July 2022 to Present**

**Sr Software Developer.**

* Involved in the complete **Software Development Life Cycle (SDLC)** such as Design, Analysis, Development, and Testing of the System Use Cases based on the functional requirements.
* Designed and developed Integrated Processes for Manpower Outsourcing IPMO for the Sales team using Core Java, JSP, Servlets, Tomcat, and Oracle databases. It has different modules i.e., Requirement, Timesheet, Account, Procurement, and Master Information.
* Speeding up Existing Applications with Cache services using Redis Cache, Grandfield.
* Worked in container-based technologies like Docker, data structures, Kubernetes and OpenShift
* Written a variety of filter queries in **MongoDB** to retrieve **JSON** data and passed it to the service layer.
* Implemented **J2EE design patterns** like **Model View Controller (MVC), CSS, algorithms, Singleton, Angular, Factory, Data Access Object (DAO), Data Transfer Object (DTO),** and **Service Locator**.
* Implemented fail-safe and circuit breaker patterns in **Spring Boot Microservices** applications using **Hystrix, configured Swagger-UI** to register **Microservices** with **Eureka server,** and monitored service health check from **Spring Boot** admin console and **Spring Ribbon** for load balancing.
* Responsible for front-end UI development using HTML5, SCSS, Typescript, PrimeNG, Angular 4, and RxJS.
* Worked as a Level-3 production support DBA on DB2 standard, DPF, and pure Scale Environments on Linux, AI, X and Windows Operating Systems.
* Cosmos DB is a globally distributed, multi-model database service provided by Microsoft Azure.
* As a Java backend developer I work with Cosmos DB, you'll need to use the Azure Cosmos DB SDK for Java to interact with the database.
* Cosmos DB allows me to configure various options, including throughput, consistency levels, and partitioning to optimize for my needs.
* Automate different workflows, which are initiated manually with Python scripts and Unix shell scripting.
* Experienced in Amazon Web Services (AWS) cloud platform and services like Lambda, DynamoDB, EBS, ELB, AMI, Elastic Beanstalk, CloudFront, CloudWatch, OpsWorks SNS, Glacier, Auto-Scaling, IAM, Route53, EC2, S3, RDS, VPC, VPN, Security-Groups, and through AWS management console.
* Implemented cluster services using Kubernetes and Docker to manage local deployments in Kubernetes by building a self-hosted Kubernetes cluster using Terraform and Ansible and deploying applications containers.
* Experience working with APIGEE Edge, Developer Portal & APIGEE Baas platform.
* Created a middle adapter to take the inputs from business applications and to call Actimize web/mobile methods for the Risk engine to calculate the risk score.
* Involved in the development of real-time streaming applications using PySpark, Apache Flink, Kafka, and Hive on the Hadoop Cluster.
* Responsible for creating efficient design and developing user interaction screens using HTML, CSS3, SCSS, Bootstrap, JavaScript, Typescript, RXJS, and Angular 4/8/9.
* Experienced in developing the test pages to connect to Actimize servers and call the web service to test the AIS packages.
* Involved in Web/Application development using Python3.5, HTML5, CSS3, AJAX, JSON, and jQuery.
* Designed and developed Flink pipelines to consume streaming data from Kafka and applied business logic to massage, transform and serialize raw data.
* Expertise in using Rest API for communication among different microservices and developing end-to-end data processing pipelines using distributed messaging systems Kafka through the persistence of data into HBase.
* Experienced working in C#, and SQL to create multi factor Apathetic communicates with Actimize.
* Developed a common Flink module for serializing and deserializing AVRO data by applying schema.
* Implemented layered architecture for Hadoop to modularize design. Developed framework scripts to enable quick development. Designed reusable shell scripts for Hive, Sqoop, Flink, and PIG jobs.
* Used Flink Streaming for pipelined Flink engine to process data streams to deploy new API including the definition of flexible windows.
* Worked on Apache Flink to implement the transformation of data streams for filtering, aggregating, and updating state.
* Monitored DB2 database health summary and locks using IBM Data Server Manager, and IBM Infosphere Optim Performance Manager.
* Sun Microsystems Mail Server, Calendar Server, and Directory Server installation skills
* Built functional specifications, and data mapping related to six strategic core scenarios to be deployed regionally, starting with the US in Actimize 4.10
* Created Strongly typed Typescript reusable components and services to consume REST APIs using component-based architecture provided by Angular 4/8/9.
* Design and development of LSR Receive applications using Night Fire Framework, Core Java, and JSP.
* Worked on **Splunk DB** Connect APP to load the data into **Splunk** from the **Oracle Database**.
* Implemented **Spring ORM** with **Hibernate** using features like Annotation metadata, Auto Wiring, and Collections to implement the **DAO** layer with **Hibernate Session Factory, Bootstrap, HQL,** and **SQL**.
* Designed and deployed a multitude of applications utilizing almost all the **Amazon Web Services (AWS**), like **EC2, Elastic Beanstalk, Elastic Search, Cloud Watch, data structures, CloudFront, Cloud Formation, IAM, S3, RDS, Elastic Cache, Angular, C#, SNS, SQS, AMI and DynamoDB for** high-availability and fault tolerance.
* Knowledge of rendering large data sets on the application view using **ReactJS and Bootstrap.**
* Worked on real-time streaming using **AWS Kinesis and Event-Driven Design** using **AWS Lambda**, while Auditing and Logging using **AWS CloudWatch** and **AWS CloudTrail**.
* Created various Parser programs to extract data from **Autosys, XML, CSS, Bootstrap, Java,** and **Database** views using **Scala**.
* Knowledge of using flux architecture in Core Java for building client-side web applications.
* Worked with **Ansible** to manage Web applications, configuration Files, Users, Mount Points, and Packages.

**Environment:** Java 8, J2EE, Spring, Web services, Microservices, Swagger, Spring Zulu, Restful, Kafka, Redis Cache, JUnit, Spring Cloud, Netflix Eureka, Microsoft Azure, DynamoDB, MongoDB DevOps Netflix Feign Client, AWS, Cassandra, JavaScript/ES6, Bootstrap, CI/CD, Kotlin, Prem System, Maven, OpenShift, algorithms, APIGEE, Terraform, AJAX, XML, XSLT, Java Beans, Design Patterns, Redis, Log4j, Agile, Golang, JBoss, Ansible, Cucumber, Microsystem.

**The Exchange , Dallas, TX March 2020 to June 2022**

**Role: Sr Software Developer.**

* Followed Agile Scrum methodology that included iterative application development, weekly Sprints and standup meetings.
* Involved in all the phases of SDLC including Requirements Collection, Design & Analysis of the Customer Specifications and Development of the Application.
* Implemented UML diagrams for specific modules to understand working and functionality better.
* Designed and developed web site application using AJAX, AngularJS, Bootstrap, CSS, HTML5, jQuery, JSP, Tiles framework and XML.
* Developed all client-side logical implementation parts of applications with **AngularJS.**
* Displayed multimedia data by HTML and to provide better user GUI, Bootstrap and jQuery is used and validation is performed by JavaScript.
* Worked on **AngularJS** framework to augment browser-based applications with MVC Capability, built dynamically generated dropdown lists using **Ajax, jQuery,** and **AngularJS.**
* Exchanged data with the help of XML files using Ajax. Because of the simplicity of XML, the application formed the new procedure of exchanging data between server and browser.
* Implemented Controller framework by deploying spring controller, by utilizing **Spring IOC** framework executed application Service layer
* **Spring MVC** framework was implemented for web applications and used custom tag libraries, **Spring Security** is used to allow multiple users.
* Used **Node.JS** to make the web application Scalable and efficient with the help of its event driven architecture and available non-blocking I/O API's.
* Wrote a test api framework in **Node.JS** utilizing the WWW-Authenticate Response Header technique so we can test the server performance with **JMeter** scripts and Postman.
* Created proof-of-concept using responsive web design, **Node JS, HTML5** and **CSS3**.
* Developing **RESTFUL** web services using **spring boot, Spring RESTFUL** template, **JPA**, **Cloud Foundry.**
* Successfully implemented the **MVC pattern** by writing the **JSP's** as a view and Java beans i.e., **POJO's** as a model and Dispatcher Servlet as the controller.
* Developed Web services and written **SOAP** and created **WSDL** for web services and Utilized the open-source SOAP UI for testing and detecting flow of data.
* **Hibernate** was used in persistence Layer. **MySQL** Database is used for the configuration of data to the application.
* Worked on optimizing database queries to improve the loading times of the web pages. Implemented DAO layer using different hibernate techniques like strategies, Inheritance, annotations and criteria interfaces.
* Implemented the caching mechanism in Hibernate to load data from database, maintained mapping files of ORM while implementing transaction control layer.
* Worked on **Log4j** to log details into database. In later stages data analysis and monitoring are achieved using Log4j.
* Migrated existing business applications to Amazon cloud services (AWS) based environment and deployed applications using **Amazon web services**.
* Installed, configured and hosted the Tomcat app servers and MySQL database servers on physical servers (Linux, Windows), and Amazon AWS virtual servers (Linux).
* Worked in setting up Linux Environment on AWS cloud infrastructure, migrated corporate Linux servers from physical servers to AWS virtual servers.
* Used **Maven** for building the project, packaging ear files and to deploy the application in web/App servers.
* Used **GIT** for version control management in order to work different team members on the same module, Tomcat was used as the desired web server.
* Designed and prepared Unit test case using **JUnit** and Log4j and removed the maximum bugs before passing on the application to the QA team.
* Worked with release coordinates to determine an appropriate build schedule and then initiates the build and packaging process and deployments into development environments.
* Implemented project-based **Jenkins** plugins for Continuous Integration Builds, automated deployments and Notifications; configured slaves in Jenkins for appropriate release builds.

**Environment:** Java, Collections, Java 8, AWS, Docker, Angular Js, Ansible, MySQL, Hibernate, Spring,

Spring IOC ,Spring AOP ,Spring Security , JPA, JDBC, XML, Maven 3.0 , PSS, HTML, CSS, JSP, XHTML, HTML , JMS, SQL, GIT, Eclipse 3.5, JUnit, and XML.

**State Farm Insurance , Dallas, TX November 2017 to February 2020**

**Role: Sr Software Developer.**

* Used **Object oriented analysis (OOA)** for object-modeling techniques to analyze the functional requirements for a system.
* Actively engaged in **Sprint planning**, story creation along with acceptance criteria and helped the team in prioritizing the stories based on the dependency and importance of the features/functionality of the target system.
* Participated in every phase of **the project (Agile methodology),** including iteration (Sprint) planning, daily stand-up meetings, iteration review, Sprint Demos, Retrospective etc.
* To gather information from the product owner to analyze the product requirements.
* **Developed REST Web Services** to integrate with the front end.
* Used **Java/J2EE Design** Patterns such as Business Delegate, Singleton to cache the static data in the project extensively, which facilitates clean distribution of roles and responsibilities across various layers of processing.
* Developed **Java 8** code base, to increase the performance and code readability.
* Extensively used various **Spring Framework** modules like **MVC, DI (IOC), Auto Wiring, Spring Security, Spring Boot and AOP.**
* Worked on Zeno **microservices** framework, a locally developed, Java-based framework for building high volume fault tolerant applications in any cloud context. Zeno leverages **Apache Kafka, Consul, Marathon, Mesos, MongoDB etc.**
* Gained experience with DevOps, Implemented **CI/CD** pipeline from deploying from lower environments till production without much manual intervention, pipeline job runs for Erato code checks, **SonarQube** analysis for 100% test coverage, **CLM** scans, upload ATDD and performance test results to **AWS** **S3** and upload snapshots to antifactory.
* Developed **Microservices** using **spring boot** and created **docker** image to run application as a **Docker** container in **EC2** instance.
* Gained good understanding of using **ELK** (**Elasticsearch, Logstash** and **Kibana**) for log management and **Zabbix** to trigger alerts for application errors in production environments.
* Participated in production support and maintenance of the project. Analyzed production environment issues of the existing application when on **L3** support.
* Design and build an SMS sending microservice.
* Used Cloud for deploying applications using **AWS**, created **EC2** instances and sent notifications using **SNS**.
* Utilized **Amazon Web Services (AWS) EC2** to deploy **Docker** containers with both monolith and **Micro-services** architecture.
* Writing services in **Spring Boot** and running and deploying them in **Cloud Foundry.**
* Utilized central repositories **Nexus** and **artifactory** for continuous build integration and Artifacts management from Jenkins build.
* Supported the legacy application and worked on servlets, JSP.
* **Used Hibernate as ORM tool and defined the mapping and** relationship of each table in the database.
* Extensively used **Hibernate mappings**, **HQL**, **Criteria, Lazy loading Transactions** and **Locking for** interacting with **Oracle** database**.**
* Used **Maven** and **Jenkins** to automate the build and deploy process.
* Worked with Web services components **JAX-RS** services and worked with **Restful** Web services interacting with external systems.
* Manage data integration jobs and build new data pipelines from various structured and unstructured sources into Hadoop.
* Used **Ansible** and Ansible Tower as Configuration management tool, to automate repetitive tasks, quickly deploys critical applications, and proactively manages change.
* Wrote **Python** Code using **Ansible** Python API to Automate **Cloud Deployment** Process.
* Developed Python Modules for **Ansible** Customizations.
* Used Ansible Playbooks to set up a Continuous Delivery Pipeline. Deployed micro services, including provisioning AWS environments using Ansible Playbooks.
* Used Ansible to document all infrastructures into version control.
* Used **Angular 2, Angular 4** Framework for the development of web applications using **Ajax, DHTML** and **DOM** scripting.
* Architected and developed a new online system with **Node JS, Angular JS, MongoDB** and **Redis** on the **Amazon AWS** platform.
* Contributed to front end development based on the available bandwidth for some of the bug fixes using **Node JS, HTML, CSS.**
* Configure Log 4j in spring boot to send errors and logs to Kafka topic to be able to view in **Kibana** Dashboard.
* Focused on **Test Driven Development**; thereby creating detailed **JUnit** tests for every single piece of functionality before actually writing the functionality.
* Worked **with GIT, postman** and SOAP UI.

**Environment**: J2EE, Spring framework, Spring MVC, Hibernate 3.x, 2.3, JDBC, Web services, DOM , XML, ORM Tool , HTML , CSS , Angular JS ,Node Js Apache CXF , Oracle 11g, Web Sphere 7.0, Agile Methodology, Postman ,Design Patterns, SVN, Maven , Ansible ,Gradle , GIT, DOCKER ,AWS.

**M&T Bank, Buffalo, New York May 2014 to September 2017**

**Role: Sr Software Developer.**

* Involved in Requirements gathering, analysis and design and documentation as the application was started from scratch
* Responsible for analysis, design, development, and integration of Back-end components using J2EE technologies such as Spring and Spring JDBC
* Developed Web based and Server-side applications using Java 8
* Designed and developed Business Services using Spring Framework (Dependency Injection) and DAO Design Patterns
* Involved in the Development of Spring Framework Controllers
* Used Spring batch Framework to create custom readers and writers to work with the application
* Used Spring Boot Framework to create properties for various environments and use yamls for configuration
* Created various Spring Boot and Spring batch applications to connect them to various databases and created queries to retrieve data and modify the tables for the databases
* Used Spring Boot to dynamically wire up Beans and settings and applies them to the application context at startup of the application
* Used Dependency Injection feature of build and release Spring Boot Framework and O/R mapping tool Hibernate for rapid development and ease of maintenance
* Implemented DAO layer using different hibernate techniques like strategies, Inheritance, annotations, and criteria interfaces
* Involved in setting up AWS (Amazon Web Services) services with EC2 instances, S3 bucket
* Worked with deploying application in AWS along with writing and retrieving files to and from AWS S3 bucket for UI to render data faster
* Worked on Docker Hub, creating Docker images and handling multiple images primarily for middleware installations and domain configurations
* Created and configured the delivery pipeline to implement continuous integration and deployment by using Jenkins
* Implemented and used Web Services with the help of WSDL, SOAP and JAX-WS to get updates from the third parties
* Worked on MongoDB database concepts such as locking, transactions, indexes, replication, schema design, etc
* Involved in creating and extracting data from database using SQL Queries, PL/SQL Stored procedures, triggers, packages on Oracle database
* Monitored team members to follow standards, guidelines and use new tools
* Environment: Java 8, Spring, Spring Boot, MVC, Micro Services, Hibernate, RESTFul, Eclipse, HTML5, CSS3, JavaScript, REDUX, React Native, XML, JMS, AWS, Docker, EJB, Log4j, JUnit, Jenkins, SOAP, MongoDB, SQL, Agile and Windows.

**TRC Tech, Hyderabad, India May 2012 to July 2013**

**Role: Software Developer.**

* Implemented MVC Architecture, which separated the View and Business Logic Layer
* Involved in design, develop and implementation of the application using Spring and J2EE Framework
* Utilized Spring Framework including encouraging application architectures based on the MVC (J2EE Design Patterns) design paradigm
* Used Spring Framework for implementing Dependency Injection, Spring ORM
* Worked on Spring Framework to create the Web application
* Developed the application using Spring MVC Framework that leverages model view layer architecture, also configured Dependency Injection
* Designed, developed, and maintained the data layer using Hibernate and performed configuration of Spring Application Framework
* Developed Java Beans using Eclipse
* Designed and developed Spring action classes for the controller responsibility
* Involved in the integration of Spring for implementing Dependency Injection (DI/IOC)
* Responsible for Writing Hibernate-mapping XML Files, HQL
* Used the ANT script to create the war/ear file and deployed into WebLogic
* Used DOM for parsing the XML, XSLT Document
* Unit and Integration testing on development and pre-production servers
* Utilized Agile Scrum to manage full life-cycle development of the project
* Environment: Java, spring, MVC, Eclipse, JMS, XML, Java Beans, Hibernate, SOAP, and Windows.