**MANASWINI GOVIND**

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**Professional Summary**

* 10 years of experience in designing, and developing backend applications using **Java, J2EE, Node js,** and **Spring framework**. And Proficient in Developing front-end components in **React**, **jQuery, Ajax, HTML5, CSS3, and Angular.**
* Experience in **Java/J2EE**, **Software Development Life Cycle**, **Object Oriented programming**, developing and testing of **Client/Server, Enterprise,** and **Web Applications.**
* Followed **Waterfall, and Agile** methodologies like **Test Driven Development (TDD), SCRUM, and Pair Programming.**
* Experienced in building UI interfaces with JavaScript frameworks like React, Angular, and Vue.js.
* Expertise in the design and development of web applications using **JSP, JavaScript, HTML5, CSS3, JQUERY, JSON, XSL, XSLT, NodeJS, AngularJS, Bootstrap, and** single page applications (**SPA**) by using **JavaScript MVC framework, AngularJS.**
* Utilized **Node Package Manager** (NPM) for managing and installing **NodeJS** modules including **Express, and Mongo.js**.
* Experience with relational databases **MySQL, Oracle SQL, SQL Server,** and **NoSQL databases MongoDB, and Cassandra**. Skilled in SQL queries, database performance tuning, and data modeling.
* Excellent **Technical, Communication, Interpersonal, Decision-making**, and Client interfacing **Skills** with strong Customer Orientation and **Quick learning.**
* Knowledge of developing single-page web applications by using **AngularJS** with **typescript ES4** and **jQuery** and working knowledge of HTTP access control **CORS** to enable cross-origin resource sharing in the project.
* Experienced in **ReactJS** and working with **React flux** architecture, and **Redux** architecture using complex Object-oriented concepts in improving the performance of the websites.
* Proficient in using higher-level style syntaxes, **LESS** and **SASS** for writing **CSS** styles
* Extensive experience leveraging **AWS services** (EC2, S3, DynamoDB, EBS, CloudFront) and **Azure** (Virtual Machines, Blob Storage, Azure SQL Database, Azure Functions).
* Had Experience with spring modules like **spring MVC, spring IOC, spring Security, and spring boot.**
* Expertise in using **J2EE** technologies like **JSP Servlets, JDBC, Java Beans, JMS, XML,** and **Web services (RESTful and SOAP).**
* Extensive experience using **spring** framework and **ORM** mapping tools like **Hibernate** and **IBatis**, which implement **Java Persistence API (JPA).**
* Experience in using frameworks and tools like **Struts, Hibernate, Spring, JUnit, LOG 4J,** and **JSF** framework.
* Developed applications using **Spring boot** and with various modules in **Spring frameworks** like **core, data, web, and AOP.**
* Implemented security protocols such as **OAuth 2.0**, cryptographic algorithms, and Spring Security for authentication and authorization.
* Extensive Experience in using various design patterns such as **MVC (Model-View-Controller), Singleton, Session Façade, Factory, DAO, Front Controller, and Business Delegate** in the development of Multi-Tier distributed Enterprise Applications.
* Experiences with building tools including **Maven**, **Gradle,** and **Jenkins**. **IDE** tools like **Visual Studio, Eclipse, and JBuilder.**
* Utilized integration tools like Red Hat Fuse, Spring Integration, and Apache Camel for seamless application integration.
* Implemented asynchronous event processing using messaging tools like **RabbitMQ** and **Kafka**.
* Familiar with **Kubernetes** for container orchestration and deployment automation using **GitLab CI/CD** and **Jenkins.**
* Experienced in using Continuous Delivery / Continuous Integration **(CD/CI)** tools **Docker**, and **Jenkins** to deploy this application to **AWS** and used **GIT** for Version Control of code for incremental development.
* Used **Log4J** for extensible logging, debugging, and error tracing also Worked on **Junit**, and **Mockito** for unit /integration testing of application components involved in developing **Test plans, Test Cases (Manual/Automated), and Test Procedures.**

**TECHNICAL SKILLS:**

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| --- | --- |
| Languages | C, C++, Java (1.7)/(1.8), JavaScript |
| Technologies | JSP2.1/2.0/1.2, Servlets 2.x/3.x, JavaBeans, JDBC, Struts2.x, Hibernate3.x/4.x, Spring3.0/4.0, Web Services, SOA, JMS2.0, and DOM Parsers, AJAX. |
| Web Technologies | HTML5, CSS3, LESS, SASS, Bootstrap-3, Object Oriented JavaScript Programming, PHP, JSON, SEO, Typescript, ES-5, jQuery, AngularJS .js, AngularJS 2.0/4,React.js, Node.js, Backbone.js, Express.js. |
| Development Tools (IDEs) | Eclipse, NetBeans, MS Visual Studio, Brackets |
| Web/Application Servers | Tomcat7.x, WebLogic10.3/9.2/8.1/7.0, IBM WebSphere7.x/8. X, JBOSS |
| Database | Oracle 11g, SQL server 2008, MySQL, MongoDB, Cassandra |
| Platforms | Windows, UNIX, LINUX, MAC |
| Testing Tools | JUnit 4.x, TestNG, Karma, Jasmine, Mocha |
| Version Control | CVS, SVN, Rational ClearCase, GIT Hub, BitBucket |
| Methodologies | Agile Methodology, Waterfall model, AngularJS 1/2 |
| Build Tools& Cloud tech | Gradle, Maven, Jenkins, Gulp, Grunt, Docker, AWS, Azure |
| Project Management tool | Rally and JIRA |

**Education: Bachelor’s in Computer Science - Acharya Nagarjuna University, Andhra Pradesh, India-2012.**

**PROFESSIONAL SUMMARY**

**Client: Optum, Eden Prairie, MN. April 2022- Till Date**

**Role: Full Stack Java Developer**

**Roles & Responsibilities:**

* Actively took an interest in every single Agile gathering like Daily Standup, Iteration Planning, Pre-Estimation, Code Review, and Show/Tell Meetings.
* Followed Agile strategy and engaged with day-by-day SCRUM gatherings, run arranging, features, and review and utilized JIRA as a following device for the runs.
* Provides knowledge into suggestions for specialized arrangements that meet structure and utilitarian needs
* Implemented sagas as a middleware.
* Develop frontend components in Angular, jQuery, HTML5, CSS3, and backend development using Node js, Hapi js, Java, etc.
* Experience in building MEAN applications using MongoDB, ExpressJS, AngularJS, and NodeJS, creating RESTful Web services with NodeJS, and ExpressJS, and installing client-side dependencies using Bower.
* Implemented TypeScript in conjunction with frameworks like NestJS or Express.js to develop robust and type-safe backend services.
* Integrated jQuery's animation effects to create visually engaging transitions and animations, enriching the user experience.
* Integrated with RESTful Web Services to fetch and display data dynamically from the server using JSON.
* Configured and utilized JSP custom tags to create modular and reusable UI components, simplifying code and enhancing maintainability.
* Designed and implemented responsive navigation menus using CSS and JavaScript to ensure ease of use on various devices.
* Worked on Components, Directives, Services, Forms, HTTP access, Authentication, and optimizing an internal application using Angular 15 with Modules and Offline Compilation.
* Implemented features such as routing, data binding, and data updates without a page refresh using Angular 15.
* Utilized Angular 15 Router Module to transform the entire project into a single-page application and incorporated routers as per specific requirements.
* Experience and proficiency in testing AngularJS applications with Jasmine, Mocha, Karma, and AngularJS Test Bed.
* Translates business requirements into logical program designs and stable application systems with guidance from senior colleagues, partnering with Business Analysts to understand needs and specifications.
* Building pipelines for Continuous Integration using Jenkins to build and test projects continuously making it easier for users to obtain the latest build.
* Used Core Java concepts such as multi-threading, collections, garbage collection, and other JEE technologies during the development phase and used different design patterns.
* Integrating the code of the peers and reviewing their code to achieve better performance.
* Demonstrate new functionalities developed as part of the sprint to stakeholders and production support service.
* Involved in the design, development, deployment, and release phases of a project.
* Using code coverage tools like Sonar to ensure that the application code coverage is more than the standards set for the project, which is 95% of the application code.
* Implemented Spring MVC Controller module for better handling of client requests, consuming Restful data service, and sending responses back to the client.
* Developed SQL queries and stored procedures for retrieving data from Oracle, SQL-based databases, and PostgreSQL.
* Integrated PostgreSQL with Java ORM frameworks like Hibernate or JPA to map Java objects to database tables, simplifying data access and management.
* Proficiency in using IBM MQ APIs for building real-time messaging applications in Java.
* Developing IBM MQ's distributed architecture and its components such as queues, channels, listeners, and triggers.
* Experienced working on several Docker components like Docker Engine, Hub, machine, compose, and Docker registry.
* Using Kafka on publish-subscribe messaging as a distributed commit log, have experience in its fast and Python, and Scalable Creating User defining exception classes using Java and building SOAP, Rest, and Rest API.
* Developed backend services and microservices using Python frameworks, and integrated Python scripts within Java applications for data preprocessing, transformation, and loading tasks.
* Utilized AWS S3 for storing patient data and BillPay statements, integrating Apache Camel's AWS component for seamless document uploads.
* Demonstrated proficiency in deploying applications on AWS EC2 instances, creating snapshots, and deploying Docker containers.
* Integrated AWS SDK for S3 connectivity and leveraged AWS DevOps tools for automated workflows.
* Developed highly scalable and fault-tolerant applications utilizing DynamoDB for efficient data storage and retrieval.
* Designed and built security architecture using AWS Lambda to handle authentication and authorization.
* Utilized Confluence for efficient team collaboration, task assignment, and project documentation management.
* Support automated build pipeline testing for frictionless release of implemented features using tools like Jenkins, Bamboo, Rest Assured, Selenium, and transformation to the Carbon platform.
* Used SOAP UI, Postman, REST, and Mockito for testing the web services.
* Developed highly scalable and fault-tolerant applications utilizing Cassandra as the primary NoSQL database, ensuring efficient data storage and retrieval for large-scale deployments.
* Implementing Mongo DB and built-in functions to retrieve and update data from the databases.
* Used Git as version control to maintain versions of the application and developed Microservices using Spring Boot.
* Build new Microservices using spring boot and Frontend transformation to support Cloud Transformation.
* Managed and monitored Apache Tomcat servers with Tomcat Manager, enhancing performance and availability.
* Use Spring Kafka API calls to process the messages smoothly on Kafka Cluster setup.
* Worked collaboratively with the Kafka Admin team to set up cluster environments in QA and production, utilizing Kibana and Elasticsearch to identify and troubleshoot Kafka message failures.
* Involved in developing WebSphere Commerce REST microservices and collaborating with management to prioritize business and information needs.
* Integrated APM tools with continuous integration and continuous deployment (CI/CD) pipelines to monitor application performance during development, testing, and after deployment.
* Use SCRUM methodology for developing project use cases as User stories and develop them in 2-week sprints as prioritized by the Product Owner.
* Developed and tested Java-based solutions using Spring and Hibernate frameworks, ensuring comprehensive testing with unit tests (JUnit, Mockito) and behavior-driven development testing (Cucumber).
* Designed and developed applications following agile methodology and Test-driven Development principles.
* Utilized Git version control for collaboration in an agile environment, implementing new features and bug fixes.

**Environment:** Spring boot, Jenkins, Java 11, Spring, IntelliJ, Eclipse, Express JS 4, Node JS, REST, JUnit, Jenkins, Selenium, Mockito, S3 Bucket Maven, Kafka, XML, JIRA, XSD, JavaScript, Angular, Typescript, JQuery and Bootstrap, Spring Tool Suite, Git.

**Client: CVS, Phoenix, AZ. June 2020- Mar 2022**

**Role: Full Stack Java Developer**

**Roles & Responsibilities:**

* Followed Agile methodology and was involved in daily SCRUM meetings, sprint planning, showcases, and retrospectives and used JIRA as a tracking tool for the sprints.
* Experienced in developing Microservices with Spring Boot, Spring REST, Spring Cloud, Eureka, API gateway, etc.
* Designed responsive front-end screens using Angular , HTML5, CSS3, JavaScript, Typescript, jQuery and Bootstrap.
* Implementing type-checked middleware using TypeScript for request validation, error handling, and authentication.
* Utilized jQuery's AJAX functionality to facilitate asynchronous data exchange with the server, dynamically fetching and updating content without page reloads.
* Created various Angular 14 services, modules, and attribute directives and worked with both template and data-driven forms.
* Experience in developing modern, complex, responsive, and scalable web applications with AngularJS.
* Took part in setting up the routing configuration using Angular 2 UI router for various views and subviews and Angular CLI with Web Pack to perform builds and create production-ready code for deployment.
* Used Angular HTTP services for asynchronous validations for the input fields of the forms with the data that existed in the database.
* Consumed REST services using Jersey web resources for various HTTP methods and developed REST services using NodeJS, Express, Underscore, body-parser, and Mongoose for another internal application.
* JSP is used for creating dynamic web content by embedding Java code directly into HTML pages.
* Created various unit test cases to test pipes, services, and components with Jasmine and Karma.
* Extensively used Core Java collections, Generics, Exception handling, and Design patterns for functionality, also worked on Java functional programming concepts and lambda expressions.
* Worked extensively on J2EE for developing Web and Distributed Applications by using JSP, JSF, Servlets, Struts, Hibernate, Spring Framework and Web Services, EJB, and JDBC.
* Developed scalable applications using the MEAN (MongoDB + Express.JS + AngularJS + NodeJS) stack and created POCs for rest service development using NodeJS, Express.JS, and MongoDB.
* Configuring IBM MQ clusters for high availability, fault tolerance, and scalability, and developing familiarity with IBM MQ's message routing mechanisms such as point-to-point and publish-subscribe, as well as implementing its security features including Load Balancing encryption, authentication, and authorization.
* Utilized Node.js Mongoose module for ORM mappings in database interactions, accessing MongoDB from NodeJS for applications on devices, and employed Nodemon for live reloading and debugging in Node applications.
* Developed RESTful services using ExpressJS and used express middleware for authentication and authorization
* Configured Package.json for application dev and deployment dependencies and used Node NPM to set it up.
* Worked extensively on Web Services (SOAP & REST), XML, JMS, Spring Controller, and Swagger API for auto-generated documentation of all REST calls.
* Worked with various databases like MySQL, PostgreSQL, and NoSQL databases (e.g., MongoDB, Cassandra).
* Implemented Oracle SQL Queries & PL/SQL, including stored procedures, functions, triggers, sequences, and built-in functions, for efficient retrieval and updating of data from databases.
* Created unit test cases using Mocha, Chai, and Mongoose to test REST API's.
* Developed business components using Spring boot, IOC, AOP, and Spring annotations and created user detail service for authentication and access control using Spring LDAP and Spring Security.
* Project migration into cloud environment using Kubernetes, and Docker container.
* Developed hibernate ORM mappings using Hibernate and JPA annotations to map Java classes to database tables.
* Developed hibernate inheritance mapping using a single table approach and configured multi-level caching in Hibernate.
* Writing and retrieving files to and from the AWS S3 bucket for UI to render data faster involves complex and time-consuming server-side logic.
* Designed and built security architecture using AWS Lambda, AWS API Gateway, AWS Cognito, and AWS STS.
* Implemented AWS CloudFormation for managing the credentials of applications that run on EC2 instances. Creation of REST Web Services for the management of data using Apache CXF.
* Implemented event-driven services using messaging platforms like Apache Kafka or RabbitMQ, facilitating loose coupling and real-time communication between different parts of the system.
* Implemented message serialization and deserialization using Kafka serializers and deserializers in Java to handle different data formats such as JSON, Avro, or Protobuf.
* Configured Prometheus with Grafana to monitor the Kubernetes cluster, setting up alerts for various conditions.
* Implemented and optimized Cassandra data models for efficient storage and retrieval of large-scale datasets.
* Developed scripts for build, deployment, maintenance, and related tasks using Jenkins, and Maven. Used GitHub as a version control, and JIRA for tracking bugs.
* Used Jenkins and other CI/CD tools for automated build, test, and deployment processes, streamlining development workflows.
* Performed data-driven Testing (DDT), cross-browser testing, and Parallel Test execution using Selenium Web Driver, TestNG, and Selenium Grid.
* Performed Test Driven Development (TDD) thereby creating detailed JUnit tests for every single piece of functionality before writing the actual functionality and using Mockito for Behavior Driven Development (BDD).

**Environment:** Java 11, Spring 4.3, Spring boot, IOC, AOP, JPA, Hibernate 4, AWS S3 bucket, Nodemon, Mongoose, AngularJS 2, MongoDB 3.2, Express JS 4, Node JS, REST, JUnit, Jenkins, Selenium, Mockito, S3 Bucket Maven, XML, JIRA, Ajax, XSD, JavaScript, Karma, Typescript, JQuery and Bootstrap.

**Client: American Express, Phoenix, AZ. Aug 2018- May 2020**

**Role: Full Stack Java Developer**

**Roles & Responsibilities:**

* Actively participated in all Agile meetings like Daily Standup, Iteration Planning, Pre-Estimation, Code Review, and Show/Tell Meetings.
* Designed and developed Microservices using REST framework and Spring Boot and used Bootstrap along with AngularJS in creating the Application.
* Expertise in creating User Controls, Web Forms, and client-side validations using JavaScript, jQuery Validate, and AngularJS. Experienced in using BackboneJS to connect the API which enforces the communication to the server.
* Developed User-friendly Interfaces using React, Redux, Bootstrap, JQuery, Gulp, HTML5, CSS3 and ES6.
* Developed React components to implement various feature-specific modules in the application and worked with a team to move existing web apps to React with ES6 Features.
* Configured Redux store in the application, created actions, reducer functions, and used Redux-thunk to make REST calls, and took part in developing unit test cases in the application using JEST, Enzyme, and Nock.
* Used React data grid to develop tabular views in the application and used React data components to implement pagination.
* Used React lazy load to load the components lazily to improve the performance of the views in the application.
* Developed UML Diagrams for Object Oriented Design: Use Cases, Sequence Diagrams, and Class Diagrams using Rational Rose.
* Developed REST web services using Spring boot, Hibernate, and Tomcat and took part in deploying the backend to Azure.
* Built and Deployed IOS and Android mobile applications using React Native
* Used Redux for state management.
* Developed REST exception handling advice to send proper HTTP error codes to the clients and developed unit test cases to test REST calls using Cucumber, Spring Mock MVC, and TestNG.
* Developed JMS messaging components to handle asynchronous messaging from queues using Tibco EMS and Spring JMS.
* Worked on the website from start to finish to give it a new look using HTML5/CSS/Javascript.
* Microservices have been built using Spring Boot, Netflix OSS, and Spring Cloud and deployed to Azure Cloud.
* Implemented transactions at the service level using Spring transaction management and Hibernate transaction manager.
* Worked with SQL and search-based data storage. Optimized SQL queries and indexes for SQL Server.
* Created Stored Procedures and other SQL scripts using PL-SQL.
* Services are migrating to Camel and deploying to the Kubernetes cloud environment using the CI/CD pipeline.
* Created Jenkins pipeline jobs to perform builds and deployments using Maven to QA and Prod environment.
* Created Azure cloud formation templates to create the development stack and QA stack and was involved in setting up the RDS instance.
* Designed and developed the framework to consume the web services hosted in Azure VM instances.
* Hands-on experience with building Azure Notebooks functions using Databricks, and Scala and creating deployment through data factory.
* Implemented a robust data replication strategy in Cassandra, ensuring high availability, data durability, and enhanced system reliability and resilience.
* Experience in writing unit tests and integration tests for SOAP-based applications.
* Performed unit testing with Jest and Enzyme frameworks, along with Mockito, ensuring code quality and reliability.
* Developed Test Scripts to implement Test Cases, Test Scenarios, and features for ATDD (Acceptance Test Driven Development) and BDD (Behavior Driven Development) Using Cucumber.
* Log4J is used for Logging Errors and exceptions throughout the project, also used SVN for the Version Control tool, and Clear Quest for the bug tracking tool.

**Environment:** Agile, UML, HTML5, CSS3, JavaScript, XML2.0, Web Services, React JS, Redux, Bootstrap, Gulp, Java SE7, SQL, SQL Server 2012, Tomcat Application Server, Junit, Mockito, JQuery, REST, Jenkins, Cucumber2.0.2, Log4J1.2.17, SVN, Atom, ClearQuest.

**Client: COX Media Group (CMG), Atlanta, GA. May 2017 – July 2018**

**Role: Java Developer**

**Roles & Responsibilities:**

* Involved in Documentation and Use case design using UML modeling including development of Class diagrams, Sequence diagrams, and Use Case Transaction diagrams.
* Involved in all the phases of SDLC including Requirements Collection, Design and Analysis of the Customer Specifications, Development, and Customization of the application.
* Extensively worked on Core Java concepts and expertise in collection framework.
* Developed unit test cases for the front-end JavaScript code using the React framework.
* Used the J2EE design patterns like Value Object Pattern, Business Delegate, Service Locator and Session Façade, Singleton, Factory, and DAO.
* Developed the application under J2EE architecture using JSP, Struts, Spring, and Java Beans.
* Developed layout of Web Pages using Tiles and CSS.
* Implemented client-side validation using JavaScript and frameworks like jQuery Validate to enhance user input validation.
* Developed JSP pages as per requirements and used Dojo JavaScript Library with AJAX to add user functionalities, and jQuery UI for client-side validation.
* Integrated Hibernate ORM framework with spring framework for data persistence and transaction management.
* Maintaining the business standards in EJB and deploying them in the WEBSPHERE 7 application server.
* Developed the data access layer components as entity Beans based on EJB API.
* Created Front end pages Using JSPs and handle the server-side logic in EJB 3.0 and Servlets
* Tested all major functionalities using JUnit and Power Mock.
* Deploy the applications in the JBoss Application Server & Tomcat servers.
* Implemented Logging using Apache Log4j for the Data Extraction jobs.
* Utilized React.JS & REDUX for rendering and deployment of end-setting web pages and modularized front-end CSS and JS code with Sass
* Utilized PostgreSQL JDBC driver to establish connections between Java applications and PostgreSQL databases.
* Developed integration and end-to-end tests using the React Testing Library, focusing on simulating user interactions and verifying the behavior of React components in realistic scenarios.
* Built a real-time mouse/click user analytics web service with Node. JS.
* Created sites to organize client contracts and summarize monthly financial data using Ember.js, D3.js, and MySQL.

**Environment:** Java, J2EE (Servlets, JDBC), Spring 3(Spring AOP, Spring IOC, Spring Theme framework, Spring MVC, Spring Annotations), JMS, React JS, RESTful Web Services, Junit, Git, HTML, XML, Apache Tomcat, Maven.

**Client: GGK Technologies, Hyderabad, India. July 2012 – March 2016**

**Role: Java Developer**

**Roles & Responsibilities:**

* Involved in Technical software and application design. Web Development using J2EE Frameworks.
* Collaborating and consulting with business analysts. Developed web applications using Java, Spring MVC, RESTful Web Services, Apache Tomcat, and Oracle.
* Provided technical Enhanced web pages using JavaScript, C#, JQuery, and CSS/HTML.
* Translated prototype designs into HTML and CSS elements.
* Supported projects utilizing skills in Java, EJB, Oracle, XML, JSP, and Ajax.
* Used CSS, HTML, jQuery, jQuery UI, and JavaScript to develop a rich user interface.
* Also, worked on enhancements to the existing application which was implemented using the MVC paradigm, implemented by Spring Framework.
* Worked extensively on J2EE for developing Web and Distributed Applications by using JSP, JSF, Servlets, Struts, Hibernate, Spring Framework and Web Services, EJB, and JDBC.
* Used Hibernate as an Object-Relational Mapping ORM tool to store the persistent data and communicate with the Oracle database.
* Worked with Spring annotations like Request Mapping, Autowired, Qualifier, PreAuthorize, etc.
* Web Interface is designed using J2EE, XML, RESTful Web Services, and JDBC.
* Designed and developed user interfaces using JSP, Javascript, XML, and HTML.
* Used Git for Versioning and concurrent access to the project files.
* Implemented Data Access Objects (DAO) to access the Oracle database using Spring DAO.
* Deployed the application on Apache Tomcat. Used Apache Maven to build, and ivy to resolve dependencies.
* Involved in writing complex SQL queries, particularly for Oracle databases, to retrieve and manipulate data efficiently.
* Experience in different phases of application implementation life cycle including Technical Design, Data Conversion, Oracle Forms development, Oracle report development, Unit Testing, Integration Testing, End User Training, and Production Support.
* Used log4j to capture the log that includes runtime exceptions and debug information.

**Environment:** Java, J2EE (Servlets, JDBC), Spring 3(Spring AOP, Spring IOC, Spring Theme framework, Spring MVC, Spring Annotations), JMS, RESTful Web Services, Junit, Git, HTML, XML, Apache Tomcat, Maven.