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SUMMARY

- **8+ years** of experience in developing and designing **Web Based Internet/Intranet**, **Client- Server and Multi-tier distributed applications** using latest **J2EE** technologies and various open source frameworks.
- Experienced in all stages of **SDLC** (Software Development Life Cycle) including proposal, process engineering, requirement analysis, design, development, testing, deployment and support.
- Proficient in **Object Oriented Analysis and Design (OOAD)** based on **Unified Modeling Language (UML).**
- Proficient in **Java** Multithreading, **Collections API**, **Socket programming, Swing programming.**
- Used **Adobe flex** framework for building and maintaining web applications to deploy on all major platforms.
- Extensive knowledge of **MVC architecture** and **J2EE** Design Patterns like **Singleton, Session Facade, Service locator, DAO, DTO** and **Value Object** in the development of web based Enterprise Applications.
- Good in **Java/J2EE** technologies such as **JSP, JSF, Servlets, EJB, XML, XSD, JNDI**and**Web services**.
- Hands-on experience in Front-End technologies like **AngularJS, Bootstrap, HTML5, ReactJS, NodeJS, JavaScript, CSS3, Jquery, Google Web Toolkit (GWT), Tag Libraries, Custom Tags, Ajax, Ext.Js** used for Responsive web design.
- Experience in **JSF, Prime-Faces** and **Rich-Faces** framework for Developing the User Interface.
- Expertise with the package managers such as **NPM** and **Bower**.
- Knowledge in **Docker** Components like **Docker Engine, Docker Hub, Virtual Machine and Docker Registry**.
- Expert in major relational databases like **Oracle**, **MySQL**, **SQLServer** and **DB2**.
- Good working experience in No-SQL Database including **MongoDB**, **Cassandra, CouchDB** and **DynamoDB**.
- Proven experience in writing Queries, Stored Procedures, Triggers, Cursors, Functions and Packages using TOAD.
- Proficient in **GUI**&validation plug-ins like **Tiles,Validator Frameworks and Custom Tag Libraries**.
- Implemented various **Ajax** Frameworks such as **JQuery, DOJO** and **JSON.** Designed and developed various **integration components** using JMS and **MQ Series.**
- Expertise in developing Web Services for data transfer from client to server and vice versa using **Apache Axis, REST, SOAP, WSDL,** and **UDDI**.
- Written and developed scripts for automating tasks using, **Python, Ant 1.5, and UNIX shell programming.**
- Exposure to Application Servers like **BEA WebLogic, IBM WebSphere, Apache Tomcat** and **JBoss.**
- Hands on experience with source control tools like **CVS, Clear Case, SVN, Git and Perforce.**
- Good knowledge in working with **Collections API**, Multithreading and **OOP**s **technologies**.
- Good experience in using **Amazon Web Services (AWS)** and **AWS SNS/SQS** for delivering messages.
- Developed the Spring Features like **Spring MVC, Spring DAO, Spring Boot, Spring Batch, Spring Heroku, Spring Security, Spring Integration, Spring Zuul, Spring Eureka, Spring Netflix, Spring Hystrix**.
- Developed Struts based presentation layer, **hibernate** based **DAO** layer and integrated them using **Spring Dependency injection, ORM and Web modules**.
- Experienced in **Middleware persistence framework** like **Hibernate/JPA, JDBC, iBatis** for mapping Java **POJO classes/Objects** with database and using **Hibernate Query Language (HQL).**
- Knowledge in designing and implementing Solutions using **EC2, S3, EBS, Elastic Load balancer** and **VPC.**
- Deployed application updates to **AWS Cloud** and monitored the load balancing of different instances.
- Expertise in Cutting Edge Technologies like **EJB, JMS, JTA, XML** and **Web SphereMQ Series** with strong experience in Developing and Deploying Enterprise **Java Beans** on Application Servers like **WebLogic, WebSphere** and **JBoss**.
- Extensively worked on **debugging using Logging Frameworks** such as **Apache Log4j.**
- Experience in using **Maven**, **Gradle**, **Ant** builds and in Visualization tools like **Tableau.**
- Performed **Unit testing, Integration Testing**& generating of test cases for web applications using **Junit, Jenkins**and**Log4J**.
- Hands-on experience with **IDE's** like **IBM Eclipse, NetBeans, Spring Tool Suite(STS)** and **IntelliJ.**

TECHNICAL SKILLS

Languages	Java 8.0/7.0/6.0/5.0, Java/J2EE, C, C++, JDBC, DTD, UML, Design Patterns, Shell Scripts, HTML, PHP, JavaScript, SQL and PL/SQL
Frameworks	Spring 4.x/3.x/2.x, Hibernate 4.0/3.0, Struts 1.x/2.0.
Web Technologies	HTML/XHTML/DHTML/HTML5, CSS/CSS3, Servlets, JSPs, EJB, JNDI, JMS, XML, XSLT, JSF, JQuery, Ajax, AngularJS, Node.js, ReactJS, BackBoneJs, Extjs, Bootstrap.
Web/Application Servers	Apache Tomcat 5.x/6.x/7.x/8.x, IBM WebSphere, BEA Web Logic 9.x/10.x/12.x, J-Boss 6.x/7.x, GlassFish.
IDE's	Eclipse, NetBeans, Spring Tool suite 2.x/3.x, IBM -WSAD and Intellij 14.x/15.x
Database	Oracle 12c/11i/11g/10g/9i/8i, SQL Server, MySql5.7, Sybase 12.5, DB2, Mongo DB and Cassandra
Web Services	AXIS, SOAP, RESTful, JAX-RPC, JAX-RS, JAX-WS, WSDL, JAX-P, JAX-B.
Version Control	JIRA, CVS, SVN, GitHub, Subversion and Clear Case
Build Tool / plugin	ANT, Log4j and Maven 3.x, Hudson 3.x, Jenkins 2.x
Testing Frameworks	Junit, Jmeter, Jtest, SOAP UI.
Operating Systems	Windows, Unix, Linux and MAC.

PROFESSIONAL EXPERIENCE

Client: Staples, Framingham, MA   **Duration: Jan 2016 to till date**
Role: Sr. JAVA/J2EE Developer
Description: Staples mainly focuses on developing a Retail application for the Staples Incorporation for selling products such as printer, scanners, floppy, office accessories, sheets etc. The motive of Staplesis to provide quick service to the consumer who needs quick purchase of office accessories both in lesser and bulk quantities. Generation of internal feeds like Coupons, Rebates and Campaigns are additional challenges. It requires technical expertise as well as domain knowledge.

Responsibilities
- Worked in **Agile, Scrum** Environment's and participated in requirement gathering, analysis and design.
- Defined and constructed layers, server-side objects and client-side interfaces based on **Java/J2EE** design patterns.
- Developed and implemented **Swing** and **Spring MVC framework for the application.**
- Utilized **Java 8** features like **Lambda expressions** and **Stream API** for Bulk data operations on Collections which would increase the performance of the Application.
- Designed Prototype and project layout skeletons using **JQuery, CSS3, HTML5**, **XML, DHTML** and **JavaScript**.
- Developed Single Page Applications (**SPA's**) using **AngularJS**. Created **Multiple & Nested Views**, **Routing, Controllers**, **Services** and **Custom Directives**, **Node.js**, **Bower** and **Grunt.**
- Created an in-memory data structure cache by using React DOM for updating browser efficiently.
- Used **AngularJS** in creating animations based on **CSS** classes for a new requirement surfaced for the client.
- Creating a responsive web application integrating **Twitter Bootstrap** with **AngularJS** and media queries.
- Used **react-redux** library to connect **Redux** application state to **ReactJS** components.
- Used **redux** store to combine different reducers to produce a global state.
- **RESTful** web services using **Jersey** for **JAX-RS** implementation and to transport detain JSON format.
- Worked on **SOA Web Services** using **SOAP** for transmission of large blocks of **XML** data over **HTTP**.
- Consumed **Web Services** to fetch and direct credit card information from third party application.

- Developed new features for a **REST SOA** backend in **Clojure** and led evolution of an entire backend architecture.
- Used a Microservice architecture, with **Spring Boot**-based services interacting through a combination of **REST** and **Apache Kafka** message brokers
- Developed Microservices using **Spring Boot, Spring Security, Eureka, HATEOAS** and deployed to **AWS.**
- Implemented the associated business **modules integration** using **Spring**, and **Hibernate data mapping.**
- Used **Spring dependency injection**, **annotations and Spring MVC components** to implement business layer and navigation part of application.
- Used various **jQuery** and **Bootstrap** plug-in like **date picker, Bootstrap** selectors.
- Exposed and consumed **SOAP** based **Web Services** to communicate between systems.
- Used **ActiveMQ** to improve the stability and scaled the system for more concurrent users.
- Assisted in planning, installation and execution of new **JRules, ILOG server, Application server and Team server** and developed designs and strategies for business rules and address problems including configuration of **ILOG Rules.**
- Used **Splunk** SPL queries to generate reports.
- Used **Splunk** forwarders to provide reliable collection to deliver data to **Splunk** for indexing, storage and analysis.
- Implementing procedures for designing, coding and testing of application code through **ILOG Jrules.**
- Expertise in programming using **Scala**, built **Scala** prototype for the application requirement and focused on types of functional **Scala**.
- Configured and verified **AWS** workstations as per application requirement.
- Used **GWT** and Amazon **AWS (EC2/S3/EBS)** for prototyping and subsequent evaluation.
- Worked on creation of custom **Docker container** images, tagging and pushing the images.
- Created **Mule ESB** based tool suite for handling message transitioning, validation, enrichment and routing upstream and downstream entity data consumers.
- Used **JMS** for reliable and asynchronous exchange of essential information such as payment status report.
- Wrote **SQL** queries, stored procedures and enhanced performance by running explain plans.
- Composed and executed **MongoDB** scripts to insert and update **NoSQL** database automating data changes and reporting and Managing and maintaining **Oracle** and **NoSQL** databases in production domain.
- Wrote an integration application in **Groovy** for the **Magento** Shopping Cart Application and CounterPoint.
- Created and configured new **JIRA** projects and worked with departments to maintain existing **JIRA** projects.
- Used **log4j** for logging and **SVN** for version control also occasionally employed **GITHUB** as repo store.
- Used **XStream** API to transfer data back and forth between **Spring MVC and Ext JS.**
- Developed **Maven scripts** and developed builds using **Maven** and continuous integration servers like **Jenkins**.
- Written highly referenced blog posts on Error Handling in **Scala** and Problems that **Scala** Fixes.
- Implemented **REST** web services in **Scala** using **Akka** for tracking an application.
- Used **Maven** goals for testing and packaging the various components and releasing on **Apache Archiva** for easy accessibility and maintenance within the organization
- Use of **data structures and algorithms** for time and memory complexity reduction.
- Used **DevOps** to refer to emphasize the collaboration and communication of both software developers and information technology professionals while automating the process of software delivery and infrastructure changes.
- Performing Smoke Testing and Acceptance Testing with **Selenium** in multiple Java platforms.
- Followed **TDD** (Test Driven Development) methodology to write unit tests with **JUNIT** and **Mockito**. Write automated regression tests using **JMeter.**

Environment: Java, J2EE, JDK 1.7/1.8, RCP, AWS SDK, Ext JS, Git, Swing, JFC, Spring 4.x, AWS SNS/SQS, hibernate4.x, Scala, Core Java, SOAP/Rest, Web Services, Python 2.7, JavaScript, Clojure, UML, HTML5, CSS, SASS, RAD 7, WAS 8 WSDL, SDK's, JIRA 5.x/6.x, JAXB, Linux, JAX-WS, JAX RPC, JMS, UNIX, Selenium NOSQL(MongoDB), AngularJS1.5, ReactJS, AJAX, Apache JMeter, JQuery, Mule ESB JUnit, Maven, EMR.

Client: Wells Fargo, Des Moines, IA.   **Duration: May 2014 to Dec 2015**
Role: Sr. JAVA/J2EE Developer
Description: Global Wires Application is a wires payment application for corporate and financial users for creating

Domestic and International wires. They can also make postdated payments up to 60 days. These wires can be initiated as freeform or template wires. We provide optional security to these wires through Secure Validation. Secure Validation is a process which provides the additional security to the customers during their transactions, in the process of wires creation it will generate a onetime pass code to validate the user, this one-time code is sent to the user's mobile or email.

Responsibilities

- Developed the **J2EE** application based on the **Service Oriented Architecture.**
- Used **Design Patterns** like **Singleton, Factory, Session Facade and DAO.**
- Developed using new features of **Java 1.7** Annotations, Generics, enhanced for loop and **Enums**.
- Developed screens using **HTML, CSS, JavaScript, JQuery and AJAX, Node.js.**
- Creation of prototypes using **Inkspace** and **Quickview 3.0**
- Designed **SOA** integration using **Apache CXF**. Enabled rapid service tier development.
- Used **AngularJS** for **DOM** Manipulation, **Filters**, and **Directives**.
- Used Twitter **Bootstrap** to create responsive web pages which can be displayed properly in different screen sizes.
- Implemented **Cross-browser Compatibility** of UI pages for internet browsers such as **Chrome, Firefox, and IE 9/10/11**
- Debugged the application using **Chrome Inspector**, **Firebu**g, **IE Tester** and many other debugging tools.
- Created and injected **Spring** services, **Spring** controllers and **DAO**s to achieve **dependency injection** and to wire objects of business classes.
- Used **Spring Inheritance** to develop beans from already developed parent beans.
- Developed Service Layer Using **Spring**, **AspectJ** and **persistence layer** using **Hibernate**.
- Used **Hibernate Transaction Management, Hibernate Batch Transactions, cache concepts.**
- Involved in implementing **DAO** layers using **JPA** standards and **Hibernate API** interfaces.
- Created **SQL** queries**, PL/SQL** Stored Procedures, Functions for the Database layer by studying the required business objects and validating them with Stored Procedures using **DB2** and **JPA** with **Hibernate** provider.
- Extensively used **Hibernate mapping**, **HQL**, **EHCache, Query, Criteria, Transactions** and **Locking** mechanisms.
- Got exposure to build and deploy the changes in a production environment by executing the build script and deploying the compiled **GWT** client side code and server side code to the production server.
- Developed **REST Web Service clients** to consume those Web Services as well other **enterprise Services.**
- Exposed the **Web Services** to the client applications by sharing the **WSDL**'s.
- Implemented **SOA** to develop **REST** Based **Web services** using **Apache Axis**
- Created logical and physical data models putting to practice, concepts of **normalization** and **RDBMS.**
- Used **Jenkins** to automate the build and deploy process.
- Developed and consumed **Apache CXF** based Web Services as part of Payments Application.
- Focused on **Test Driven Development**; thereby creating detailed **JUnit** tests for every single piece of functionality before actually writing the functionality.
- Used **Log4j** utility to generate run-time logs.
- **SVN** was used for project management and version management.
- Deployed the application **on JBOSS**application server**.**

Environment: J2EE, Springmok4.x, Spring MVC, Hibernate 3.x, AngularJS, jQuery, JSON, Servlets 2.3, JDBC, AJAX, Web services, SOAP, XML, Java Beans, XStream, Net Tool, Apache CXF 2.6, Apache POI, Ext JS, JQuery, JavaScript, JBOSS, Agile Methodology, Design Patterns, SVN, Apache Maven, JUnit, HTML Unit, XSLT, HTML/DHTML.

Client: BCBS, Richardson, TX   **Duration: Nov 2012 – Apr 2014**
Project: Small Group Renewal
Role: Sr. Java Developer
Description: Small Group Renewal(SGR) is the automated solution for streamlining the health insurance sales process.BA Renewals delivers information and tools created to assist with reselling or reacquiring existing accounts, presenting additional plan offerings and alternatives, and monitoring anniversary effective dates to reduce the forfeiture of any business opportunities. Workflow, Single Rating Engine (SRE), and other relevant common services are used to enable Renewing process automation.

<u>**Responsibilities**</u>

- Involved in various phases of Software Development Life Cycle (**SDLC**) such as requirements gathering, modeling, analysis, design, development, testing, and monitoring.
- Involved in Use Case Diagrams, Class Diagrams and Sequence diagrams using Rational Rose.
- Spring JMS was used to connect to **ActiveMQ** for interconnecting various internal systems.
- Implemented **SOA** web sphere appliance in the **web services** for the ease of error handling and load balancing.
- Tested **Web Services** using **SOAP UI** and involved in composing test suites for operations.
- Used **Collection Framework and Multithreading** for performing cache Operation.
- Extensively used various **Spring Framework** modules **like DI(IOC), Bean Wiring, Inheritance, Auto Wiring, JDBC Templates, AOP and Spring Quartz Schedulers for Jobs.**
- Developed **session, entity beans and message driven beans.**
- Developed, and debugged the **EJB** with WebSphere Application server.
- Implemented interceptors using Hibernate and build and release Spring Boot framework.
- Got exposure to build and deploy the changes in a production environment by executing the build script and deploying the compiled **GWT** client side code and server side code to the production server.
- Designed and developed web pages using with **HTML, DHTML, XHTML, CSS, and JSP.**
- Achieved role control functionality mainly by retrieving **JSON** data from **AJAX** and combining the retrieved data with **jQuery** to manipulate nodes in **DOM** tree.
- Utilized a combination of regular expression and **jQuery** Validation Plugin to conduct input check.
- While in the newer sub project, conducted validation in **AngularJS** way.
- Created test cases to validate **Regular Expressions**.
- Used **XML/XSLT** for transforming common **XML** format and **SAML** for Single Sign-On.
- Designed configuration **XML Schema** for the application.
- Used **Regular Expressions** to Serializable for pattern classes.
- Developed **Maven scripts** and developed builds using **Maven** and continuous integration servers like **Jenkins**.
- Used **XML Http Request** Object to provide asynchronous communication as part of **AJAX** implementation.
- Experience with **KORN** based scripts as part of triggering **UNIX** and **J2EE** based Jobs.
- Used SOAP for **Web Services** by exchanging XML data between applications over HTTP.
- **WSDL** was used for publishing Web Service interfaces.
- **Junit** tests were written to test each module in the application.
- Wrote **Ant Scripts** to automate the build and deploy process.
- Prepared the test plans and executed test cases for unit, integration and system testing using different automation tools like **Junit, Soap UI** and **Fiddler**.
- Performance Testing experience using **Jmeter.**

Environment: Core Java/J2EE, Servlets, Java Spring, JSTL, EJB, JMS, XML, XSLT, JDBC, AJAX, IBM WebSphere Application Server 7.0, Oracle 10g, WSAD, IBM MQ, HTML, CSS, JavaScript, Eclipse, UML, Rational Rose, Windows XP, CVS, JUnit, ANT, Adobe Flex, Visio.

Client: JPMorgan Chase, NY   **Duration: Feb 2011 – Oct 2012**
Position: Sr. Java Developer
Description: **CSR Dashboard** is an internal facing application, accessed via the **Prime View portal**,which is currently designed to serve the CSR who need to provide a proactive and superior client service with Option Assignment events, with Corporate Actions and Money Transfer events to follow. This tool provides a CSR centric view of all key events for all families supported by a CSR, Team Lead or Area Manager. As of today, Option Exercise and Corporate Actions have been on boarded.

<u>**Responsibilities**</u>

- Developed the **J2EE** application based on the **Service Oriented Architecture.**
- Used **Spring** Framework for **dependency injection, integration** of **Hibernate** using **Spring ORM support,** development of **REST**ful **web services** to give **JSON** output**.**
- Used **Spring MVC** front controller pattern to handle requests from dispatcher servlet to handle incoming requests.

- Configured **Spring MVC** from scratch using **XML configurations, namespace handling, Spring security** set up and giving access to resources.
- Wrote code to transform **XML** documents using **JAXB Marshalling** and **Unmarshalling** using Spring Injections.
- Used **Hibernate** in **persistence layer**, written **hibernate mappings using Annotations, HQL, Criteria** and **Queries.**
- Involved in Design and Development **of RESTful API.**
- **REST web services** are created using Spring with **Jackson Mappers** to exchange data using **JSON data structure.**
- Used **SVN** for source Version Control, resolving code conflicts and merging code base**.**
- Deployed the application in **Web Logic Application Server.**
- Strong experience in writing **PL/SQL queries** and performance tuning.
- Developed **Unix Shell scripts** to automate repetitive database processes.
- Used **Maven** for dependency management, build applications and deploy to the containers, application servers and create versions in the repository.
- Used **JUnit** for unit testing of the application and **log4j** for logging.

Environment: Core Java, Java 1.6, Spring, Hibernate, SVN, Apache, Eclipse 3.3, JNDI, Log4j, JUnit, XML, XSD, AngularJS, Node.js, JQuery, HTML 5, bootstrap, JavaScript, Web Logic Application Server, Oracle, Windows XP, REST API, NetBeans, UNIX.

Client: American Family Insurance Madison, WI   **Duration: Nov 2009 –Jan 2011**
Role: Role: Java/J2EE Developer
Description: Sales Tool Project is an Online Auto Insurance Sales tool used to estimate the quote, calculate the premium as per state rules and sell the quote to customers. Customers can access this tool from www.amfam.com and buy insurance online, Sales Tool Rewrite project is an enhancement and Integration project with the following major business requirements. Implement a new Online Auto Insurance Sales process flow for quoting to reduce the number of questions/responses necessary to provide a quote premium.

Responsibilities
- Developed presentation screens by using **JSP**, **HTML** and **JavaScript**.
- Implemented **Model View Controller** (MVC-2) architecture and developed Form classes, Action Classes for the entire application using **Struts** Framework.
- Performed client side validations using **JavaScript** and server side validations using in built **Struts Validation Framework**.
- Implemented the data persistence functionality of the application by using **Hibernate** to persist java objects to the relational database.
- Used **Hibernate Annotations** to reduce time at the configuration level and accessed **Annotated bean** from **Hibernate DAO layer**.
- Used **HQL statements** and procedures to fetch the data from the database.
- Transformed, Navigated and Formatted **XML** documents using **XSL**, **XSLT**.
- Used **JMS** for asynchronous exchange of message by applications on different platforms.
- Developed the view components using **JSP**, **HTML**, **Struts Logic tags** and **Struts tag libraries**.
- Involved in designing and implementation of **Session Facade**, **Business Delegate**, **Service Locator** patterns to delegate request to appropriate resources.
- Involved in developing **SQL queries, stored procedures, and functions**.
- Creation of database objects like **tables, views using oracle** tools like **Toad, and SQL* plus**.
- Involved in writing Stored Procedure in using **PL/SQL**.
- Worked on Linux environment for jobs scheduling for Inbound data on monthly basis.
- Used **JUnit** Testing Framework for performing Unit testing.
- Deployed application in **WebSphere Application Server** and developed using Rational Application Developer **RAD**.

Environment: Java, J2EE, JSP, Spring, Hibernate, JMS, XML, Web Services, SOAP, AJAX, HTML, JavaScript, CSS, Log4J, JUnit, Maven, WebSphere, Application Server, Eclipse, Oracle.

Client: Value Labs, Hyderabad, Andhra Pradesh   **Duration: May 2008-Oct 2009**

Role: Java/J2EE Developer

Description: BSHM builds a system, which helps both Doctor and patient in an efficient manner by providing information about the availability of Doctors, maintaining patient records according to their visit and generating reports of patients of their medications, Lab Findings, Problems List and serves the pharmacy maintenance also. The information may be very critical from both doctor's and patient's point of view, BSHM maintains a safe and secure database system for patients. BSHM stores patient's records efficiently and make them easily retrievable. The whole system modules are Appointments, patient chart, Reports, pharmacy, Administration.

Responsibilities

- Involved in Analysis and Design of the Project, which is based on **MVC (Model-View-Controller) Architecture and Design Patterns**.
- Involved in developing prototypes of the product.
- Created UML **Use Cases**, **Sequence diagrams**, **Class diagrams** and **Page flow diagrams** using **Rational Rose**.
- Designed GUI Components using **Tiles** frame work and Validation frame work.
- Designed and developed UI using **HTML**, **JSP** and **Struts** where users have all the items listed for auctions.
- Developed **ANT** scripts for builds and deployments.
- Developed **Controller Servlets, Action** and Form objects for process of interacting with **Oracle** database **and retrieving dynamic data.**
- Responsible for coding **SQL** Statements and **Stored procedures** for back end communication using **JDBC**.
- Parsing of XML documents was done using **SAX** and **DOM** and XML transformation was done using **XSLT**.
- Wrote **JavaScript** validations on the client side.
- Involved in writing Detail Design Documents with **UML** Specifications.
- Involved in unit testing and system testing and also responsible for preparing test scripts for the system testing.
- Responsible for packaging and deploying components in to the **Tomcat**.
- Used java IO to create reports, which were mailed to be mailed to manager every hour.
- Responsible for performance tuning of the product and eliminating memory leakages in the product.
- Participated in Code Review meetings with developers.

Environment: CoreJava, Java Beans, JSP, Jbuilder, JavaScript, Servlets, JDBC, LOG4J, XML, XSLT, HTML, Struts, Tiles, SAX, DOM, Tomcat, UNIX, Oracle.