**Prasanna P**

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**PROFESSIONAL SUMMARY:**

* Over 8+ years of IT experience in analysis, design, implementation, and testing of Client/Server Applications, Web Based Applications using **Java, JEE** technologies, and **Object-Oriented Programming** Concepts.
* Experienced in **Agile Software** development process and strong technical knowledge in Core **Java, JEE,** and **JEE** development, with experience in defining functional and technical specifications.
* Strong experience in different phases of Software Development Life cycle **(SDLC)** including **Design, Implementation,** and **Testing** during the development of software applications.
* Experience in designing and developing **N-tier Architecture** applications with **Java/J2EE** using **Web Services, Servlets, JSPs, JDBC, XML, Java Mail, DAO, JMS, MDB, Apache Struts1/2, HTML5, CSS3, AngularJS, jQuery, AJAX, JavaScript.**
* Strong front-end **GUI** wireframing/prototyping skills using scripting languages like **JSP, JavaScript, PHP, PERL**.
* Expertise in **Multithreading, Garbage Collection, Spring framework, Hibernate** and **Algorithm.**
* Created Terraform modules to create instances in **AWS** and automated process of creation of resources is AWS using Terraform.
* Experienced in both framework and CloudFormation to automate **AWS** environment creation along with the ability to deploy on **AWS**, using build scripts and automate solutions using Shell and Python Scripts.
* Experience in **Spring Framework** and associated technologies such as **Spring MVC, Spring Data, Spring Cloud, Spring Boot, Spring Security** etc.
* Extensive experience in designing and executing Automation testing using Mercury tools **(Quality Center / Test Director, WinRunner, LoadRunner, QTP)** and **PVCS Defect Tracker.**
* Created continuous delivery pipeline for **CDT** Directory to run the war, Ami and deploy jobs in **Jenkins** brew master instance, which reduces the time for the deployment of micro services.
* Good experience in using **Hibernate** for Database communication, retrieval and update.
* Good working experience in System health performance **Monitoring, troubleshooting,** and **remediation,** including **visualization tools** such as **Graphite, New Relic, Nagios/Icinga, Datadog** etc.
* I used to design documents for the **API** integration architecture and also used **APIGEE** for creating, debugging & maintaining **API**s of all clients. I also implemented the Security mechanism (OAUTH 2.0) of the APIs using the APIGEE Edge platform. I designed and implemented Mule **API**s by designing R**EST API using** **RAML** using (**RestFul API** Modeling language)
* Hands-on experience in one or more **MVC** framework Spring (**DI/IOC, AOP,** and **JDBC** template).
* Experience in designing **web services, SOA** based applications and writing Web Services using W**SDL, SOAP,** and **UDDI** in distributed web application development environments.
* Experience in developing and consuming Restful web services.
* Good hands on experience developing a responsive single page application using AngularJS framework and JavaScript.
* Working experience of Relational **DBMS** like **Oracle, SQL Server, MySQL, DB2, Toad** for performing **SQL** and **PL/SQL programming** and **NoSQL DB** like **MongoDB.**
* Hands-on experience with version control systems like **CVS** (Concurrent Version Systems), **SVN** (Apache Subversion), **Subversion Codes, ClearCase** and **GIT** for providing a common platform for all the developers.
* Experience with Test Driven development like **JUnit, TestNG, Mockito, Selenium, Cucumber** and **performed RD** to develop Selenium cucumber frame.
* Good experience in developing test cases with **JUnit** for Unit testing and **Log4J** for extensible logging, debugging and error tracing.
* Experience with **Mac, Linux,** and **Windows** **operating systems** and multiple domains such as **insurance, banking, telecom,** and **healthcare**.
* Good **team player**, strong work **ethics**, **enthusiastic** and **quick learner** with a **positive attitude**, **excellent analytical** and **problem-solving skills** along with **excellent oral** and **written communication** skills.

**TECHNICAL SKILLS:**

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| **Languages** | Java, Python, Java Script, C, C++ |
| **Frameworks** | JSF, Spring Framework, Spring MVC, Spring Boot, Hibernate, Spring Web, Spring Security, Spring REST Docs, Node, Express. |
| **Web Technologies** | Angular, jQuery, ReactJS, HTML5, DHTML and XML, CSS3, Bootstrap |
| **IDE Tools** | Eclipse, IntelliJ IDEA, Visual Studio Code |
| **Design Patterns** | MVC, Front Controller, Service Locator, Transfer Object, Factory Pattern, DAO Pattern, UML, Object Oriented Analysis and Design. |
| **Build Tools** | Maven, Gradle, Jenkins, ANT. |
| **Web Services** | RESTful, SOAP, WSDL, JAXB, JAX-WS |
| **Application Servers** | Apache Tomcat, Web Sphere, WebLogic, Jboss |
| **Databases** | Oracle, SQL Server, DB2, MySQL, NoSQL, MongoDB, PostgreSQL |
| **Cloud Services** | AWS (EC2, S3, ELB, Elastic Search, CloudFront, Dynamo DB, Lambda), Azure (ARM, Spring Cloud, API Management, Storage) |
| **DevOps Tools** | Jenkins, Docker, Ansible, JIRA |
| **Version Control Tools** | GIT, Bitbucket, SVN |
| **Testing** | Selenium, JUnit, Log4j, Appium, Cucumber, Lambda Test |
| **Messaging Tools** | JMS, Java Mail, Kafka |
| **Operating System** | Windows, Linux, Unix, Macintosh HD |
| **Miscellaneous** | MS Office, UI Path Studio, MS Project |

**PROFESSIONAL EXPERIENCE:**

**Client: Wells Fargo, NJ May 2022 – Till date**

**Role: Sr Full Stack Developer.**

**Responsibilities:**

* Developed multiple **Spring Boot Rest API's** running under **Java 8** and followed **Agile methodologies** to develop a Single Page Web Application based on **Angular 4** for front-end, **Spring MVC** for backend, and **MS-SQL** for database.
* New library development with micro services architecture using **REST APIs, Spring Boot** and added functionality is implemented using **Spring IO / Spring Boot** and **Hibernate ORM.**
* Deployed **Spring Boot** based micro services **Docker** container using **Amazon EC2** container services and using **AWS** admin console.
* Involved in designing and deploying multitude applications utilizing almost all the **AWS** stack (**Including EC2, Route53, S3, RDS, EBS, ELB, DynamoDB, SNS, SQS, IAM**) focusing on **high-availability, fault tolerance,** and Auto Scaling in **AWS** CloudFormation.
* **Lambda** runs the code on high availability compute infrastructure and performs all the administration of the compute resources. This includes server and operating system maintenance, capacity provisioning and automatic scaling, code and security patch deployment, and code monitoring and logging.
* Developed strategy to migrate **Dev/Test/Production** from an enterprise **VMware** infrastructure to the **IaaS** Amazon Web Services **AWS** Cloud environment including run book processes and procedures.
* All the functionality is implemented using **Spring Boot** and **Hibernate ORM**. Implemented Java EE components using **Spring MVC,** **Spring IOC,** **Spring transactions** and **Spring security** modules.
* Working with **AWS CLI** and **API** to manage resources on **AWS** such as **EC2, S3, VPC, Cloud Watch, ELB, Auto- Scaling, SNS,** writing **Python Scripts** to manage resources deployed on **AWS.**
* Deployed **Azure IaaS** virtual machines **(VMs)** and **Cloud services** (PaaS role instances) into secure **V Nets** and **subnets**. Involved in migrating on premise cloud storage to Windows Azure using **Azure Site Recovery** and **Azure** backups.
* Provided technical consultation and input in evaluating and choosing among multiple **DMS, CMS,** and **CM** platforms which drive global web initiatives which ultimately lay the foundation for business and architecture and global content integrations.
* We do **Spring framework**, **Spring Integration** basically adds three components: **messages, message channels, and endpoints.**
* **Used NoSQL** database - **MongoDB** to make storage of **JSON** objects easier and to store credential related information.
* Spring Integration developers recognized the common pattern of similarities to inter-operate among varied architecture, domain, and technologies in the enterprise arena.
* Developed modules in the application using micro services architecture style and Developed **RESTful** Web Services with **JAX-RS** using **Spring Boot**.
* Used Spring **MVC** at backend which helps to develop applications with ease and applied multiple layers in application such as Controller, Service, Business, and **DAO.**
* Utilized Webpack as a module bundler to execute linters, pre/post processors, tests, etc. based on build targets, built reusable components with React and **JavaScript ES6**, and **Redux** daily.
* Performed various Validation Controls for form validation and implemented custom validation controls with JavaScript and **JSX.**
* Integrated Spring Security to validate the users and the control **API** accessibility and Used **HQL** and Criteria **API** to implement **CRUD** operations and pagination and Angular **CLI** to bundle and build **Angular project**.
* Developed the **J2EE** application based on the Service Oriented Architecture and developed **UI** with **HTML5, CSS3, Angular Material,** and **Font-Awesome** and **design multiple** reusable components from scratch using **TypeScript** and we use **lift** and **shift** from servers to **cloud** Services from machine learning to Kubernettes.
* Developing and maintaining all server-side network components.
* Ensuring optimal performance of the central database and responsiveness to front-end requests.
* Collaborating with front-end developers on the integration of elements.
* Designing customer-facing UI and back-end services for various business processes.
* Developing high-performance applications by writing testable, reusable, and efficient code.
* Setup and managed light weight **Kubernetes K3s** for self-healing and high availability. Deployed **Prometheus** with **Grafana** to monitor the **Kubernetes** cluster and configured alerts firing when different conditions met.
* Integrated **EFK (Elasticsearch, Fluentd, Kibana)** stack as the logging solution for the deployed Kubernettes cluster
* Managed **Kubernetes** deployments, objects for high availability and scalability using horizontal pod scaler and resources management.
* Proof of Concepts (POC) on cloud native technologies to integrate with light weight **Kubernetes K3s.** Implemented **Kubernetes** manifests, helm charts for deployment of microservices into k8s clusters.
* Implemented application using **Spring MVC,** **Spring IoC, Spring Annotations, Hibernate, Oracle** and used **Jenkins** for continuous integration and facilitating the technical aspects of continuous delivery.
* Implemented Angular Routing to navigate between components and used structured directives like NgFor to build templates and attribute directive like **NgClass** to manipulate **CSS** stylings of components.
* Worked on consuming **JSON** and **XML** object creation, parsing on both clients as well as server-side and Implemented **CI** **CD** pipelines using Jenkins and build and deploy the applications
* Configured **Apache Kafka** (Message Queues) for reliable and asynchronous exchange of important information between multiple business applications.
* We do support in the **Splunk Compliance** Package include: Access to In-scope Resources. Access to In-scope Resources Unencrypted. Endpoint Uncleaned Malware Detection.
* Designed and developed asynchronous **RESTful** Microservices using **Spring boot**, **Couchbase** that are consumed by other Microservices with an average response time of 30 milliseconds.
* Implemented application using **Spring MVC, Spring IoC, Spring Annotations, Hibernate, Oracle** and used **Jenkins** for continuous integration and facilitating the technical aspects of continuous delivery.
* All the functionality is implemented using **Spring Boot** and **Hibernate ORM**. Implemented **Java EE** components using **Spring MVC, Spring IOC, Spring transactions** and **Spring security** modules.
* Implemented authentication with **JSON Web Token (JWT), store JWT** local storage if credentials are valid and attach **JWT** in request headers for each call.
* Implemented Form Validations using template-driven form and reactive form. Built **HTTP** Client Module to send requests to the server and used **RxJS** Observable to handle multiple values over time asynchronously.
* Extensive experience focusing on services like **EC2, VPC, Cloud Watch, CloudFront, Cloud Formation, IAM, S3, Amazon RDS, Elastic Cache, SNS, SQS.**
* Involved in **CICD** process using **GIT, Jenkins** job creation, Maven build and publish, and Fabric implementation and utilized Slack to communicate with team members and used **JIRA** to handle software development issues.

**Environment:** Java 1.8/J2EE, Spring Framework 4.0 (Spring Integration, Spring MVC, Spring IOC, Spring Boot, Spring Batch), Node js, Hibernate 4.0, Jenkins, AWS, EC2, Auto scaling, Route 53, IAM, Cloud Formation, Cloud Watch, Terraform, AWS Lambda, RESTful Web services using Micro services architecture, SOAP, SQL-Server, JS, AJAX, IntelliJ IDEA, HTML5, CSS3, JSON, XML, Angular 4.0, Typescript.

**Client: AIG, Los Angeles, CA Nov 2020 – March 2022**

**Role: Sr Full Stack Developer.**

**(Customer Interactive Hub)**

**Responsibilities:**

* Designed the System based on the business requirements and prepared the required design Documents.
* Used Java, HTML, JDBC, JSP, Ant, JUnit, XML, JavaScript, and a proprietary Struts-like system.
* Worked extensively with writing SQL and PL/SQL using Sybase.
* Setting up Java/J2EE development environment using Eclipse, Maven, and WebLogic.
* Developed on Tomcat for a WebLogic deployment tools included ANT, JUnit, DBUnit, HttpUnit, Visual Source Safe, and Scarab.
* Implemented Kafka producer and consumer applications on Kafka cluster setup with help of Zookeeper.
* Developed the screens using AJAX, jQuery, HTML5, CSS3, and Angular 2 & 4.
* Built micro services using Docker, AWS Lambda, and Elastic Beanstalk.
* Involved to work with another developer to migrate an existing MS Access application to ColdFusion.
* Responsible for Continuous Integration (CI) and Continuous Delivery (CD) process implementation using Jenkins along with UNIX Shell scripts to automate routine jobs.
* Diverse experience utilizing tools in N-tier and Microservices architecture applications using Spring Boot, Spring Cloud config, Netflix OSS components (Eureka, Zuul, Hystrix), PCF, AWS, Rabbit MQ, Kafka, Zookeeper, Cassandra, My SQL, Restful Web Services.
* Used Rabbit MQ as Java Messaging Service for producing and consuming data between applications.
* Used Microservices to communicate using synchronous protocols HTTP and REST for implementing SOA.
* All the functionality is implemented using Spring Boot, Micro Services and Hibernate ORM.
* Wrote SQL commands and Stored Procedures to retrieve data from SQL server database.
* Responsibilities included configuration and deployment of tomcat application and web Apache servers, Redis Cache and Kafka Servers. Environments for test, development and production were built from the ground up.
* Involved in migrating Hive queries into Spark transformations using Data frames, Spark SQL, SQL Context, and Scala.
* Developed the backend server with Spring Boot, involving different layers of the application including entity/model, DAO/repository, Controller, Service, Business, and Persistence.
* Designed and developed individual microservices for search modules.
* Responsible for building components to connect to other micro-services using Kafka.
* Importing the data into Spark from Kafka Consumer group using Spark Streaming APIs.
* Migrated the server using the AWS services to a cloud environment.
* Used Maven project management tool for build and deployment of the application.
* Configured Struts, Hibernate framework with SpringMVC.
* Optimizing MongoDB CRUD Operations.
* Create automation to extend and innovate on microservices infrastructure supporting single sign on user provisioning & de-provisioning multi-factor authentication security and permission management.
* Using OOPS Principles (SOLID) to satisfy the different application needs within a centralized and manageable architecture.
* Worked with web designers to develop user interfaces and prototypes for a web-based internal system. Developed the application as Single Page Application (SPA) using Angular 2 MVC.
* Used MAVEN to define the dependencies / plugins and build the application.
* Built enterprise Java applications using POJOs and lightweight frameworks such as Spring and Hibernate.
* Designed and created SQL Server Database, Stored Procedures
* Experienced in implementing Kafka Simple consumers to get data from specific partitions.
* Communicating with a Node.js backend under MongoDB.
* Involved in converting Hive/SQL queries into Spark transformations using Spark RDDs, Scala.
* Involved in SPA (Single Page Web Applications) using RESTFUL web services plus Ajax and AngularJS.
* Used MVC pattern for GUI development in JSF and worked closely with JSF lifecycle, Servlets and JSPs are used for real-time reporting which is too complex to be handled by the Business Objects.

Environment: Java, Angular 2 & 4,WebSphere, Micro services, Oracle, SQL server, JSP, JSF, HTML,Jenkins,Kafka, CSS, JavaScript, JSON, jQuery, AJAX, Spring, Hibernate, JBoss, SVN, Subversion, JDBC, JSP, ANT, JUnit, XML, Struts, PL/SQL, SQL, Maven, Eclipse, WebLogic, Tomcat, CSS3, Docker, AWS Lambda, Hystrix, PCF, AWS, RabbitMQ, Zookeeper, Cassandra, RESTfulWebservices, SOA, Spring boot, Hibernate ORM, Redis, Apache, Spark SQL, Scala, API’s, Spring MVC, Mongo DB, CRUD, OOPS, Concepts, SPA, POJO, Hive, GUI.

**Client: AutoZone, Memphis, TN Nov 2019 – Oct 2020**

**Role: Sr Java Developer**

**Responsibilities:**

* Created stubs to consume Web services.
* Involved in writing JSP and JSF components. Used JSTL Tag library (Core, Logic, Nested, Beans and Html taglib's) to create standard dynamic web pages.
* Used Apache Kafka for streaming the application and gathering the metrics.
* Implemented with Angular using its advantage including two-way data binding and templates.
* Designed and established Confidential ’s Highly scalable Serverless micro-service named App Ingestion service using AWS’s API Gateway, Lambda and DynamoDB services used for high-speed data ingestion.
* Identified the defects through Selenium and ensured that business processes deliver the expected results and remain reliable throughout the production release.
* Developed Ruby on Rails 3 web applications using MongoDB and back-ground processes using Resque and Redis.
* Experienced in developing Microservices with Spring Boot, Spring REST, Spring Cloud, Eureka, API-Gateway etc.
* Designed and developed the session module using J2EE for existing cold fusion application.
* Implemented build scripts using Maven and GIT technology for version control.
* Used CQL (Cassandra Query Language) to read from and write data into Cassandra database.
* Worked on NoSQL databases including HBase, Mongo DB, and Cassandra.
* Good experience in creating and consuming Restful Web Services.
* Designed and developed backend application servers using Python.
* Followed MVC Structure and used AngularJS to develop Single page Application.
* Managed application deployment using Python.
* Used Perl as a Scripting language for server-side scripting of web pages.
* Built Web pages that are more user-interactive using JavaScript and Angular js.
* Developed JSP Views, Actions and delegating the tasks to corresponding session beans.
* Working on Struts Framework for developing the front-end application and extensively.
* Spring as middle tier for entire application.
* Strong programming skills in designing and implementation of multi-tier applications using web-based technologies like Spring MVC and Spring Boot.
* Involved in working with Struts Tiles for the common look and feel for a web application.
* Working on Web Services using Java API for XML Services (JAX-WS) and supporting, building, deploying Web APIs Services.
* Connected server and database to update data information with Node.js and MONGODB.
* Wrote PL/SQL statements according to the need using Oracle 11g database.
* Working on an internal web-based client server application built with Struts 2 Framework using Oracle backend Database, working on establishing the relation for the different beans using the Hibernate.
* Involved in writing various components using Spring AOP and IoC framework.

Environment: Java11, Struts Framework, Micro services, Oracle, HTML, PL/SQL, JDBC, Stored procedures, Web Logic Application Server, Hibernate, Kafka, ANT, JSP, JSF, JSTL, Apache, Angular, Microservices, AWS, API, Lambda, DynamoDB, Selenium, Web Applications, MongoDB, Resque, Redis, Springboot, Spring REST, Spring Cloud, Eureka, API, maven, Git-Hub, Cassandra, NoSQL, HBase, Restful Webservices, AngularJS, Spring Boot, Spring AOP and IOC framework, JAX -WS, Web Services, WSDL, EJB.

**Client: Conduent, India April 2017 – May 2019**

**Role: Sr. Java Developer.**

**Responsibilities:**

* Involved in Analysis, Design, and Implementation of Business User requirements and Setting up the Developer's workstation on own with a provided manual.
* Developed the Application layer or GUI framework from scratch using JSP, HTML, CSS, Bootstrap JS, AJAX for request response processing without reloading the complete page.
* Written complex HQL Queries using Hibernate criteria, projections to fetch or insert data into or from different tables in DB.
* Bean injections in the java application were done using Spring F/W's Dependency Injection module.
* Written complex SQL Queries using Spring JDBC to fetch or insert data for the Batch processing.
* Used IBM Rational Tools like RTC as Version Control tool and SonarQube for continuous inspection of code quality.
* Developed & consumed XML/WSDL/SOAP Web Services to provide the interface to the various clients running on both Java and Non-Java applications.
* Tested the service functionality using SOAP UI by passing the Test Data.
* Extensively involved in developing core persistence layer using Hibernate 4.0 framework, writing HQL queries, creating hibernate mapping (. hbm) files.
* Used JMS for Asynchronous communication.
* Ran the batch jobs on UNIX OS through the command prompt, moved the logs from UNIX machine to Windows machine with the help of WinSCP tool.
* Involved in Performance Tuning for the entire application using the OEM tool, since the development was from scratch.
* Used Log4J components for logging, Dozer bean Mapper for clustering the objects.
* Responsible and active in the analysis, definition, design, implementation, and deployment of the full software development lifecycle (SDLC) of the project.
* Waterfall methodology has been followed. Experienced with standup, Retrospective meetings.
* Running diagnostic tests, repairing defects, and providing technical support.
* Implementing effective security protocols, data protection measures, and storage solutions.
* Documenting Node.js processes, including database schemas, as well as preparing reports.
* Recommending and implementing improvements to processes and technologies.

**Environment:** Java 1.7/J2EE, Spring Framework4.0 ( Spring MVC, Spring JDBC, Spring Batch, Spring IOC ), JSP2.0, SOAP Web Services, Node JS, Hibernate 4.0, HTML, Bootstrap JS, Toad Oracle 12g, SQL Developer, jQuery, AJAX, Eclipse IDE, Oracle WebLogic server , Java Beans, log4j, IBM Rational Tools (RTC, RRC), ANT , JUnit, OEM tool, OBPM, HP Live Editor, HP Exstream.

**Client: Samudra Software, Bengaluru, India April 2014 - March 2017**

**Role: Java /JEE Developer**

**Responsibilities:**

* Involved in various phases of Software Development Life Cycle (SDLC) such as requirements gathering, modeling, analysis, design, development, and testing.
* Designed the Web application Using **Spring MVC** (Model View Controller) pattern to make it extensible and flexible.
* Used **Multithreading** concepts while creating **DAO** classes and also, in programming to improve overall performance.
* Developed all the tiers of the **J2EE** application, implemented business logic using **spring** in the middle tier, developed Beans and helper classes to communicate with the presentation tier which consists of JSPs and Servlets.
* Designed and developed Controllers, **Action Mappings, Interceptors, Forms** and **View pages** for management of policy claims using **Struts2.x** framework.
* Analyzed current Mainframe system and designed new **GUI** screens.
* Extensively used Java multi-threading to implement batch Jobs with **JDK1.8** features.
* Involved in the **front end** using **JSP, HTML5, JavaScript 2.0** and **jQuery.**
* Implemented core features of **Angular** framework such as dependency Injection, Databinding, Filters, Directives, Templates, Services and Deep Linking Designing.
* Developed **REST** exception handling controller advice to respond to bad requests and server-side exceptions.
* Implemented **SOA** architecture with Web Services using **SOAP, WSDL** and **XML** to integrate other legacy systems.
* Developing the Microservices using **Spring Boot** and Spring Batch that create, update, delete and get the assignment information from **backend**.
* Used **Spring Security** for Authentication and authorization.
* Implemented Auto complete for text input fields by performing **GET** and **POST** requests using **Ajax.**
* Working knowledge of firebug and Chrome **developer tools** to resolve the JavaScript errors
* Used display tag **libraries** for decoration and used display table for reports and **grid designs**.
* Configured **Apache Tomcat** Application server and deployed the **web components**.
* Interacted with **API** webservices to write application level code with the help of **AJAX, JSON.**
* Creation of **WebLogic** domains and setup Admin & Managed servers for **JAVA/J2EE** applications on Non- Production and Production environments.
* Worked on **JavaScript** and **JSON** and implemented the data manipulation on front end.
* Utilized Amazon Web Services **(AWS)** **EC2** to deploy **Docker** containers.
* Utilized **XML** related configuration for wiring the dependency components together and to define bean classes and worked with artifacts deployment in **AWS.**
* Used **JSON** objects to store them in database offline mode.
* Used **Maven** as a build tool and deployed the application using **Kafka.**
* Used **Log4j** to capture the logs that include various levels of information like error, info, debug into the log files.

**Environment:** Java, JDK, JSP, Servlets, SQL Server 2008, Maven, Struts, Oracle, HTML, JavaScript, XML, XHTML, CVS, JUnit, Maven, XSLT, Tomcat, Eclipse, Ant, JSON, JBOSS, Agile, SOAP, EJB.