**Sai Tata** 

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**PROFESSIONAL SUMMARY**

* Around 8 + Years of experience as a **Full - Stack Java/J2EE** Developer with diversified exposure in analysis, design, development and implementation of web-based applications.
* Extensive work experience on **Spring Framework modules (Spring Core, Spring Web, Spring JDBC, Spring Rest Services, Spring Data Access/Integration, Spring Batch, Spring AOP, Spring Transaction and Spring Security).**
* Hands on experience in design using **Object Oriented Programming** and **Design patterns** like Singleton, Abstract and Repository and Abstract Factory pattern.
* Extensive experience in developing applications using Java and various **J2EE** technologies including **Java/J2EE** technologies **JAVA, Spring, REST, SOAP, JAX-WS, JAX-RS, Hibernate, JDBC, JSP, Servlets, JSTL, EJB,** **XML**, and **JMS**.
* Experienced **Java** developer with a strong background in designing and implementing RESTful APIs using **Spring Boot.**
* Designed and implemented scalable and efficient **GraphQL** APIs to enhance data querying flexibility and improve performance.
* Integrated **GraphQL APIs** with various back-end technologies, including **Node.js, Express**, and **Apollo Server**, to provide seamless data access.
* Proficient in developing scalable and secure **API** endpoints, integrating third-party **APIs**, and ensuring seamless data exchange between client and server applications.
* Ensured secure data transmission and access control within **GraphQL APIs** by implementing authentication and authorization mechanisms.
* Adept at utilizing **Kafka** for real-time data processing and event-driven architectures, as well as leveraging **NoSQL** databases such as MongoDB and Cassandra for flexible and efficient data storage solutions.
* Skilled in optimizing **API** performance, ensuring robust security measures, and maintaining comprehensive documentation.
* Proven track record in developing and implementing robust **Azure**-based solutions, optimizing cloud costs, and enhancing security protocols. Adept at leveraging **Azure** services such as **Azure Functions, Azure DevOps, Azure SQL Database, and Azure Active Directory** to drive business innovation and efficiency.
* Proven ability to collaborate with cross-functional teams using Agile methodologies, delivering high-quality software solutions in dynamic environments.
* Experienced in performing bulk operations on collections using **Java 8's Stream API**.
* Skilled in using **Java 8's** Optional class to avoid null references and write more robust code.
* Expertise in implementing the **MVC** architecture in backend applications using **JAVA** along with **spring**, **Servlets**.
* Experience in analysis and requirement gathering in methodologies- **Agile (Scrum), TDD, XP, Waterfall.**
* Hands on Experience in **AWS Services** like **EC2, S3, Elastic Beanstalk, ELB** (Load Balancers), **RDS, VPC, Route53, Cloud Watch, Cloud Formation, IAM, SNS.**
* Knowledge of utilizing cloud technologies including **Amazon Web Services (AWS), Microsoft Azure Bloband** **Pivotal Cloud Foundry (PCF).**
* Created **Amazon VPC** to create public - facing subnet for web servers with internet access, backend databases & application servers in a private-facing subnet with no Internet access.
* Expertise in implementing **Web Services, Micro-Services, AWS, Docker and JM**S for the synchronous and asynchronous communications between two applications running in different servers.
* Working knowledge of Web protocols and standards (**HTTP HTML5/XHTML/XHTML-MP, CSS3, Web Forms**, **XML, XML** parsers).
* Experience in using **React JS** components, **Forms**, **Events**, **Keys**, **Router**, plus **Redux**, Animations and **Flux** concept.
* Experienced in working with **Node.JS** and **NPM** modules like **http-server, Marathon, inquirer, path, mongo DB, Micro Services, Request, Elastic Search, express, luck, spark,** and templating engines.
* Expertise in writing **SQL**, **PL/SQL**, **Stored Procedures**, **Cursors**, **Triggers** with **Oracle 9i/10g,** **MySQL, PostgreSQL, MongoDB, DB2, Blob storage** and **MS-SQL Server**.
* Involved in writing application-level code to interact with **APIs**, **RESTful** Web Services using **AJAX**, **JSON**.
* Experienced in **MEAN** stack development **Mongo dB, Express, Node, and Angular**.
* Proficient in using **Unit.js** testing framework along with **Jasmine**, **Karma, Protractor, Mocha** test runners.
* Good Experience in Bug tracking tools like **JIRA,HP Quality Center,** and **Bugzilla**.
* Experience in **Jenkins** and **Maven**
* Expertise in using IDE tools such as V**isual Studio Code, Notepad ++, Web Matrix, Eclipse, Sublime Text Editor, IntelliJ IDEA**, and **Web Storm**.
* Experience in all phases of **SDLC** like Requirement Analysis, Implementation and Maintenance, and extensive experience with Agile and **SCRUM**.
* Ability to work effectively while working as a team member as well as individually.

**TECHNICAL EXPERTISE:**

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| **Languages** | Java, Python, C, C++, ASP.NET |
| **Enterprise Java** | JNDI, JSP, JDBC, JSTL, Exceptions, Threads, Collection, Log4J, API |
| **Java/J2EE technologies:**  | Servlets, JDBC, Multithreading, JSF, EJB, JSP |
| **Web Technologies** | React JS, Angular JS 1.x, Express JS, Node.js, HTML, HTML5, CSS3, SASS, XHTML, XML, JavaScript, AJAX, jQuery, WordPress, JSON,Twitter Bootstrap, GitHub, JAVA, J2EE |
| **Tools & Framework** | React JS, Angular JS (1.x), Node, Spring MVC, Spring AOP, Spring Data (Spring JDBC, Spring ORM), Spring Boot |
| **Cloud technologies** | AWS, Azure, GCP |
| **Cloud Console Services** | IAM, VPC, Snowball, SES, SNS, SWF, AWS SDK'S, Pinpoint, Elastic cache, Ops Works, Amazon EMR, Redshift, storage Gateway, API Gateway |
| **Web services** | SOA Architecture, SOAP, RESTful, WSDL, JAX-RPC, JAX-RS JAX-WS, Jersey, AWS. |
| **Middleware Technologies** | JMS, Spring Integration, Apache Camel, Digest Authorization, OAuth, RabbitMQ |
| **Web/App Servers** | WebSphere, Apache, Tomcat, JBoss EAP, WebLogic |
| **Database** | Oracle, SQL-Server, MySQL, NoSQL MongoDB, PostgreSQL, SQL Server 2000, 2005& 2008 |
| **Development Tools** | Visual Studio Code, Eclipse, My Eclipse, Spring Tool Suite (STS), Web Matrix, Web Strom, Bonita, Sublime, Dreamweaver, and Notepad++. |
| **Testing Tools**  | Jest Enzyme, JUnit, Rest Client, Selenium, Postman, Jasmine, Swagger, Load runner, Easy Mock. |
| **Version Control Tools** | Bit bucket, Git, SVN. |
| **CI/CD Tools** | Jenkins, Kubernetes, Docker, Chef. |
| **Build-Automation/Issue Tracking Tools** | Maven, Jenkins, JIRA, Rally |
| **Platforms** | Windows, Linux, Unix, MacOS. |
| **Methodologies** | Waterfall, Agile. |

**PROFESSIONAL EXPERIENCE**

**Client: Amazon Web Services, WA Jan 2023 – Present
Role: Senior Software Engineer**

Responsibilities:

* Involved in developing components on Reporting Dashboard with **Spring MVC, Spring boot, Spring Framework** and **Hibernate**.
* Designed and implemented RESTful APIs using **Java, Spring Boot**, and **Hibernate** to facilitate seamless data exchange between client and server applications.
* Developed scalable and secure API endpoints for various microservices, enhancing system modularity and maintainability.
* Implemented and managed containerized applications using **Docker**, improving deployment speed and consistency.
* Designed and deployed scalable, high-availability infrastructure using **Kubernetes**, resulting in a 30% increase in system reliability.
* Automated configuration management and deployment processes using **Ansible**, reducing manual intervention by 40%.
* Developed CI/CD pipelines to streamline software delivery, leveraging **Jenkins**, **Docker**, and **Kubernetes**.
* Employed **JSON** and **XML** for data serialization, ensuring compatibility with various client applications.
* Integrated **APIs** with various front-end applications, ensuring seamless communication through well-structured **JSON** and **XML** payloads.
* Employed techniques such as **JSON Web Tokens** (JWT) for secure data transmission, enhancing the security of API communications.
* Architected and implemented microservices using **Spring Boot**, enhancing system scalability and ease of maintenance.
* Led the development of a **GraphQL API** for a large-scale e-commerce platform, resulting in a 30% improvement in data retrieval efficiency and a 20% reduction in server load.
* Successfully integrated **GraphQL** as an interface between multiple microservices, streamlining data aggregation and simplifying client-side data fetching.
* Implemented comprehensive security measures using Spring Security, including role-based access control and **OAuth2** authentication.
* Worked as part of **Micro-services** team to develop and deliver **Maven** projects to deploy on **Tomcat**.
* Restful endpoints are created for UI and other services to consume.
* Used **Spring Core** Annotations for Dependency Injection **Spring DI** and **Spring MVC** for **REST API s** and Spring Boot for **Microservices**.
* Implemented Microservices using **Spring boot** and enabled discovery using Netflix eureka server.
* Integrated Spring Security with **JDBC** to manage user registration and login. Implemented the business layer by using **Hibernate** with **Spring DAO** and developed mapping files and **POJO** java classes using ORM tool.
* Develop the UI component architecture for developer framework using **React js, Typescript, HTML5, CSS3 and Bootstrap.**
* Integrated Java 8 Streams with JPA to perform more expressive and efficient database queries.
* Design and implementation of web applications in Java and **HTML5/JavaScript** using **Eclipse**, **Swing, GWT, JPA frameworks;** and **GIT maven** source code environments.
* Leveraged **Java/Ruby** to build backend components, ensuring robustness and reliability in large-scale software applications.
* Developed RESTful services using **Java 8**, implementing request-validation using the Predicate functional interface.
* Utilized **Kafka** for building robust data pipelines, ensuring reliable and scalable data flow between microservices and external systems.
* Integrated **NoSQL** databases with **Spring Boot** applications to store and retrieve large-scale datasets, providing flexible and performant data solutions.
* Optimized **NoSQL** queries and indexing strategies to improve data retrieval performance and ensure low-latency API responses.
* Utilized **Java 8's** new Date and Time API to solve complex scheduling problems in a distributed system.
* Design and manipulation of **JBPM** process for the client activities in order to manage the people queue for each activity.
* Improved application throughput by utilizing **Java 8's** concurrency enhancements such as Completable Future.
* Developed **RESTful** services using **Java 8**, implementing request-validation using the Predicate functional interface.
* Created Server instances on **AWS**, **Tomcat**, **Swagger** are installed and used for deploying Micro-services.
* Experience on practical implementation of AWS technologies including **IAM, MFA, Elastic Compute Cloud (EC2), Simple Storage Services (S3), Route 53, Cloud Formation, Elastic Bean Stalk, Virtual Private Cloud (VPC), RDS** and **Cloud Watch**.
* Experience on **Cloud Formation** template stacks to automate for building new **VPC'**s using **JSON**
* Provided guidance on optimizing system architecture for speed and scalability, ensuring the reliability and efficiency of software systems.
* Deployed Spring Boot based microservices Docker container using **Amazon EC2** container services and using AWS admin console.
* Involved in using **Java 1.8**features like Parallel Streams, Lambdas, functional interfaces, and filters.
* Created Stacks using **Amazon Cloud Formation** templates to launch AWS Infrastructure and resources. Used **AWS Lambda** to run the code in the AWS.

 **Environment:** Java 8, Maven, DB2, WebSphere, XHTML, TypeScript, JavaScript, Core Java, SQL, Hibernate, Spark, AWS(EC2), PL/SQL, Docker, Jenkins, Kafka, Junit, Spring MVC, REST API, Spring Boot, Spring Security, Spring Data, JPA, Spring DAO, Angular.js, Microservices.

**Client: JP Morgan Chase & Co, DE Mar 2022 – Jan 2023
Role: Java Full Stack Developer**

Responsibilities:

* Configured and managed application properties and profiles in **Spring Boot** for different environments, ensuring seamless deployment and testing processes.
* Integrated Spring Cloud components for service discovery, configuration management, and load balancing, optimizing microservices architecture.
* Designed and developed custom exception handling mechanisms in **Spring Boot** to provide meaningful error messages and improve API reliability.
* Developed robust API endpoints with **Spring MVC**, leveraging its powerful features for building web applications.
* Managed and monitored **Kafka** clusters using tools like **Kafka** Manager and Prometheus to ensure optimal performance and uptime.
* Managed containerized environments using **Docker**, leading to a more efficient application deployment process.
* Utilized **Kubernetes** for orchestration and scaling of applications, enhancing system resilience and scalability.
* Designed and deployed **Docker Compose** configurations to simplify multi-container application setups.
* Developed robust API endpoints with **Spring MVC**, utilizing Kafka for asynchronous communication and event sourcing to enhance application responsiveness.
* Utilized **Azure DevOps** for CI/CD pipelines, source control, and project management, enhancing team productivity.
* Created strategies for deploying applications across multiple **Azure** regions for redundancy and high availability
* Involved in all the phases of **Software Development Life Cycle (SDLC)** including Requirements gathering, Designing, Programming, Testing and Documentation of various projects.
* Built **Microservices** using **spring boot** with continuous deployment and continuous integration using Jenkins.
* Successfully utilized the new features introduced in **Java 8**, such as Lambdas and Streams, to enhance the efficiency and readability of the project's codebase.
* Utilized parallel processing capabilities of **Java 8 Streams** to significantly enhance the performance of data-intensive tasks, optimizing resource utilization.
* Performance test development for 'Continuous Benchmarking using **Meter** and **Jenkins**
* Design, Develop and Execute load tests using **Meter** and **Jenkins**.
* Developed performance review studies based on data collected from the system performance tools.
* Implemented Microservices Architecture, with **Spring Boot**-based services interacting through a combination of **REST, SOAP**.
* Extensively used Hibernate in data access layer to access and update information in the database.
* Used **Spring MVC framework** for design and development of web application.
* Utilized the library improvements in **Java 17**, including new string methods, Optional enhancements, and Stream API improvements to enhance the functionality and performance of the application.
* Working knowledge on developing the UI pages from scratch using **HTML5, CSS3, JavaScript, Angular JS, React JS, Ajax,** and **jQuery**.
* Build Web Apps with **React JS** and Flux. Structured the **JavaScript** code using **Material UI.**
* Integrating **JavaScript** libraries ( **jQuery , React - Bootstrap** , High charts , Data tables , etc.)
* Creating **ReactJS / Redux front**-end UI, and Node.JS applications for backend.
* **React** and Functional Driven **JavaScript** expert in SPAs, UI Components, Mobile web, and Performance optimization.
* Extensive experience in deploying, managing, and developing **MongoDB** clusters.
* Deployed and developed the project using **AWS EC2, S3 Buckets, Data pipeline, Elastic Bean Stalk, Lambda, Amazon messaging services (SQS) and Amazon Kinesis Services**.
* Used **Maven** as a build tool and **Tomcat Webserver** for deploying the application.
* Used **SQL** Queries in Java code to do select/update/delete depending upon the business requirement.
* Developing **JavaBeans, Java Server Pages JSP, PL/SQL Procedures** and Functions to perform business transactions.
* Used Continuous delivery/ Continuous Integration tools **Docker, Jenkins** to deploy this application to AWS and used GIT for version control of code for incremental development.
* Involved in developing Tables, Stored Procedures, Triggers, Indexes and Functions SQL Server.
* Extensively Used **GitHub** for Version Controlling.
* Used **JIRA** as the bug tracking system to track and maintain the history of bugs/issues on everyday basis.
* Developed unit tests with **Mocha**.
* Used Firebug and IE Tester debugging tools to fix the issues.

**Environment:** Java 1.8, Maven, DB2, WebSphere, XHTML, React js, Actimize, TypeScript, JavaScript, Java8, Actimize, Core Java, SQL, Node JS, Hibernate, AWS(EC2), PL/SQL, Docker, Jenkins, JDBC, Kafka, Junit, Spring MVC, REST API, Spring Boot, Spring Security, Spring Data, JPA, Spring DAO, Microservices.

**Client: FM Global, TX Oct 2021 – Mar 2022
Role: Java Full Stack Developer**

Responsibilities:

* Lead team to Design, develop, and maintain **Java / J2EE / SOA** applications. Participated in all aspects of application design, development, testing, and implementation, using **OOA/OOD** or model driven design. Hands-on development and testing with web services and **SOA**.
* Developed **Microservices** using RESTful services to provide all the CRUD capabilities.
* Developed a migrating application from SOAP to **REST** using **Spring Boot** and internal SOAP Client.
* Wrote playbooks and roles in **Ansible** to automate the provisioning of servers and deployment of applications.
* Integrated **Kubernetes** with service mesh technologies (e.g., Istio) to enhance microservices communication and security.
* Designed and deployed **Docker** Compose configurations to simplify multi-container application setups.
* Connected to Data Sources and performed operations using **Spring Data** framework features like **Spring JDBC,** **Spring ORM** and **Spring Elastic Search**.
* Build data pipelines in airflow in **GCP** for ETL related jobs using different airflow operators.
* ﻿﻿Experience in GCP Dataproc, GCS, Cloud functions,
* Developed **Hibernate** with **Spring** Integration as the data abstraction to interact with the database and used **dependency injection (DI)** using spring framework and annotations.
* Developed the application using **Spring MVC** intensively that leverages classical MVC architecture and **JavaScript** for major data entry that involved extreme level of data validation at client side.
* Implemented Restful Web Services using **Spring Boot**.
* Manipulated DOM, handled events and applied animation effects with Vue.js.
* Created SQL Map config files to create the **SQL** queries, map the data and objects to retrieve data. from the database using IBATIS. Injected objects using Spring dependency injection concepts.
* Deployed **Docker** contained spring boot micro services into **Spring EC2** container service using AWS admin console.
* Created a custom responsive web application to replace a legacy line-of-business web application using **React JS**.
* Developing and designing SPA user interfaces in **ReactJS**.
* Used Media Queries for the design to be compatible in all devices.
* Used **Grunt** as task runner to test the **JavaScript** with JSHint.
* Worked on Cross-Browser Compatibility and tested each & every web application on popular web browsers such as Internet Explorer, Firefox, Safari, Opera and Chrome.
* Developed the application logos and images by using **Adobe Photoshop CS3** and Illustrator.
* Worked on **AWS services** to deploy static websites and dynamic Web Apps on **EC2** using **Elastic Beanstalk and Elastic** Container Service-Docker. Designed and developed Micro Services business components using Spring Boot.
* Migrated the application from cloud Foundry to **AWS** using the **EC2** and Fargate instances.
* Proficient in using design patterns like **Singleton, Front Controller**, Business Delegate, Service Locator for better maintenance of code and re-usability.

**Environment**: Spring IOC, Spring AOP, Spring Boot, Spring MVC, Hibernate, Microservices, Soap, Rest, HTML, CSS, JavaScript, SQL, AWS, Kaka, Docker, Jenkins, Maven, Log 4j

**Client: Brady Corporation, PA Jan 2020 – Oct 2021
Role: Full Stack Java Engineer**

Responsibilities:

* Involved in various phases of **Software Development Life Cycle (SDLC**) of the application like Requirement gathering, Design, Analysis and Code development.
* Developed java modules implementing business rules and workflows using **Spring MVC, IoC,** Web Framework.
* Had experience in performance tuning **J2EE** apps, performance testing, analysis, and tuning.
* Worked on development of **Hibernate**, including mapping files, configuration file and classes to interact with the database.
* Implemented UNIX utilities using shell script for data validation, manual job submission, restarting failed jobs, etc.
* Designed and developed the REST based Microservices using the S**pring Boot, Spring Data** with **JPA**.
* Developed **Spring Restful/Microservices** and implemented **Spring Restful/Micro Services** and implemented **Spring Eureka, Netflix, Ribbon** as part of Services Discovery using g **Apache Axis.**
* Implemented Spring **MVC** flow to interact with different modules and extensively used **Spring** **AOP** and **Dependency injection**during various modules of project.
* Developed with **Spring Eureka** to retrieve **API** routes for the entire cluster. Using this strategy each spring service in a cluster can be load balanced and exposed through one API gateway.
* Used **Micro service** architecture with **Spring Boot** based services interacting through a combination of REST and Apache Kafka message brokers.
* Worked on **React JS Virtual Dom** and React views, rendering using components which contains additional components called custom **HTML** tags.
* Responsible for maintaining and expanding our AWS infrastructure using AWS (EC2/EBS).
* Monitored and optimized **Azure** resource usage and costs using Azure Cost Management and budgeting tools.
* Designed hybrid cloud solutions integrating **Azure** services with on-premises infrastructure using **Azure** **Arc** and **Azure Site** Recovery.
* Directed the implementation of **Azure DevOps** for project tracking, version control, and continuous integration/continuous deployment (**CI/CD**) pipelines.
* Writing Entities in **Java**, Play Framework along with named queries to interact with database.
* Experience in Updating, Modifying queries in **Oracle 11g**.
* Involved in **Maven** based build process and continuous integration of the project using **Bamboo** and **Jenkins**.
* Implemented **SOA** architecture with Web Services using **SOAP, WSDL and XML** to integrate other legacy systems.
* Composed and executed **MongoDB** scripts to insert and update **NoSQL** database and reporting.
* Designed and developed various **Oracle** database Simple and Complex Queries, **PL/SQL** procedures, Stored Procedures, Trigger and Functions
* Developed quality code adhering to Scala coding standards and best practices.

**Environment**: Java, J2EE, Spring v3.x, Spring MVC, React.JS, Hibernate v3.0, Oracle DB, Angular-JS, Node JS, Bootstrap, CSS, HTML5, JavaScript, jQuery, AJAX, GIT, IntelliJ, AWS SNS/SQS, DbVisualizer, Tomcat, JBoss, SVN, Maven, JIRA, SOAP/Restful Web Services, Red hat Linux, Jenkins, WSDL, Spring Based Microservices, Agile, cucumber, Bamboo CI.

**Client: Integrity Spirit, Hyderabad May 2015 – Dec 2018
Role: Java/J2EE Developer**

**Responsibilities:**

* Involved in Requirements gathering, **Analysis, Design, Development and Testing** of application using **AGILE methodology (SCRUM).**
* Performing initial Analyzation on understanding scope and business purpose of the requirement and review API FORM definition and required fields/data.
* Created web services using **Spring @Rest Controller** to return **JSON** to the frontend.
* Sending requests and responses in Micro services through **REST/HTTP**.
* Developed **REST API's** using **Spring MVC** and Spring boot, involved in hosting all micro services.
* Designed and developed Micro Services Architecture to divide application into business components using **Spring Boot.**
* Developing user-facing applications using **Vue.js**
* Updating the **OM** table access if applicable and perform local integration testing to ensure end-to-end flow as expected and verifying generated PDFs for positive and negative scenarios.
* Implemented **Multithreading, Concurrency, Exception Handling, Generics and Collections** whenever necessary.
* Used Multithreading for faster and parallel processing of documents.
* Implemented Bean classes and configured in spring configuration file for **Dependency Injection, Developed Controller Classes using Spring MVC, Spring AOP, Spring Boot, Spring Batch modules, handled security using Spring Security.**
* Implemented Batch jobs to deal with large number of chunks using **Spring Batch** Framework to execute the similar jobs simultaneously.
* Implemented persistence layer using **Hibernate** that use the **POJOs** to represent the persistence database
* Experience in writing complex **PL/SQL** queries using **joins, Stored Procedures, Functions, Triggers and cursors**
* Used **JIRA** for Issue/bug tracking, monitoring of work assignment in the system.
* Analyzing on the production issues and working as a production support on the schedule manner in resolving the issues.
* Documenting the new configuration changes and production ticket and analysis data to provide knowledge to the team.
* Worked in Microsoft **Azure Cloud Services**, Application insights, Document DB, Internet of Things (IoT) and **SQL Azure.**
* Experience in Node.js and Java script development.
* Implement and review the Unit Test using **JUNIT** and **Mockito.** Involved in writing test cases for testing the Business components developed in spring and **Hibernate** using the Junit framework.
* Knowledge of solution protocols, including **SSL/TLS, HTTP, SAML 2.0, Kerberos, S/MIME, SCIM, and OAuth**.
* Hands-on experience **with EC2, ECS, ELB, EBS, S3, VPC, IAM, SQS, RDS, Lambda, Cloud Watch, Storage Gateway**, Cloud formation, **Event Bridge, Elastic Beanstalk** and **Autoscaling**

**Environment** Java, J2EE, HTML5, CSS3, Java Script, jQuery, Angular JS, Node.JS, Spring, Hibernate, MVC, Apache CAMEL, , MAVEN, WebSphere, Bamboo,JUnit, JMS, log4j, UNIX, SOAP UI.