**Shashank**

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**Sr. Fullstack Developer**

**PROFESSIONAL SUMMARY:**

* 11 years of professional IT experience with full project Software Development Life Cycle (SDLC) using Java-J2EE Technologies-Requirements analysis, Designing, Developing, Testing and Deployment of software applications, Testing and Maintenance of Client/Server applications.
* Analysis, Design and Development of J2EE Business applications, Web-based and n-tier applications using the following core technologies - Java, Servlets, JSP, JSTL, and XML.
* Proficient in UI design, developed Front End using JSP, HTML5, CSS3, JavaScript, Ajax, JQuery, React.JS, Vue.js, Angular JS, Angular 2/4/6/8/10/12.
* Proficiency in developing web services (Soap, Restful) that include several components like SOAP, WSDL, XML, XSD, Axis2, JAX-RS and JAX-WS. Also Developed SOAP web services using CXF.
* Experience with Amazon Web Services (AWS) for CI/CD.
* Experience deploying applications on Apache Tomcat 6 Web Server, BEA Weblogic 8/9, Websphere 5.0/6.0/6.5 application server environments.
* Good knowledge on Hadoop Cluster architecture and monitoring the cluster.
* Hands-on experience in using message brokers such as ActiveMQ and RabbitMQ.
* Extensive experience in using Build Automation scripting like, Apache ANT, Maven 3.
* Hands on experience on MVC frameworks such as Angular JS, Angular2, Backbone JS, Ember JS, ReactJS etc.
* Designed and developed multiple J2EE Model 2 MVC based Web Application using J2EE™ Technologies, Patterns and popular open-source framework Struts, Spring MVC, Spring Boot, JPA and Hibernate.
* Extensive & expert level of experience with Java Platform, JEE, EJBs, JDBC, JPA, Servlets, JSP, JMS, XML, Applets, JavaScript, POJO.
* Sound Knowledge of Design Patterns like Singleton, Business Delegate, Session Fa ade, DAO, MVC etc
* Worked on day to day activities creating and managing OKTA policies and creating and managing OKTA application provisioning and user provisioning
* Used Spring Core Annotations for Dependency Injection Spring DI and Spring MVC for REST API s and Spring Boot for Micro-Services.
* Experience in developing web based J2EE applications using Struts/Spring frameworks.
* Worked extensively on building Rapid development Framework using CoreJava and Jython
* Extensive experience and actively involved in Requirement gathering, Analysis, Design, Reviews, Coding, Code Reviews, Unit and Integration Testing.
* Experience in full Software Development Life Cycle (SDLC) Experience in Agile software development utilizing Scrum and test based development (TDD) and Waterfall model.
* Experienced with NoSQL databases like MongoDB and Cassandra on large data platforms and worked on PCF (Pivotal cloud foundry)
* Responsible for React UI and architecture, building components library.
* Hands on experience in deployment of J2EE applications on JBoss, Tomcat, IBM Web Sphere and WebLogic Application Servers.
* Good experience maintaining the project in IBM Rational Clear Case, SVN, CVS, StarTeam version control repositories.
* Experience in using XML based technologies and parsers DOM, SAX, JAXP, and JAXB.
* Experience in database design, data modeling and developing stored procedures, functions and triggers using SQL plus, SQL developer in Oracle 9i, My SQL and DB2.
* Experience in writing test-cases in Java environment using JUnit, Mockito and Powermock.
* Experience in managing the build files using ANT and Maven.
* Experience in using the Log4j framework for Logging Java Application.
* In-depth knowledge and experience with J2EE JACC, JAAS, JSSE, JCA and JCE, Kerberos GSS-API, Spring Security, OAuth 2.0, OpenIDConnect, SAML 2.0
* In-depth understanding of OAuth 2.0 security standards for 2L and 3L implementations
* Created REST APIs by using spring, exposed them from my existing system so that it is consumed by other application.
* Strong experience with development and migrations from SQL relational databases to NoSQL databases like MongoDB, Apache Cassandra and CouchDB.
* Experience in developing, designing in UML, Package, Class and State Diagrams.
* Well versed with Core Java concepts like Collections, Multithreading, Serialization, Java Beans and Network programming.

**TECHNICAL SKILLS:**

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| --- | --- |
| **Web Technologies** | Java Script, HTML, Web services (SOAP, REST), JQuery, React.JS, AngularJs, Angular2/4/6/8/10/12, JDBC,Servlets, JSP, JSTL, JNDI,XML, AWS, CSS and AJAX |
| **Java Technologies** | Spring, Servlets, JSP, EJB, JDBC, JMS, JNDI, Webservices |
| **Scripting languages** | JavaScript, JQuery, Perl, Shell, Python |
| **Frameworks** | Spring MVC, Spring Boot, Hibernate/JPA, JSF, Struts 2.0/1.2, Tiles. |
| **Programming Language** | Java, J2EE, JEE, C, C++, HTML, CSS, JQuery, SQL |
| **XML Technologies** | XML, SAX, DOM, XSL, XSLT, XPath, WSDL, SOAP. |
| **Operating system** | Windows, Unix (Linux, Solaris). |
| **Servers** | Weblogic 10.1/9.0/8.1/7.0, Websphere 6.0/5.1, JBoss 4.0.3, Apache Tomcat 6, API |
| **Tools** | Eclipse, WSAD, RAD, JBuilder, JDeveloper, TOAD, SQL Developer |
| **IDE Tools** | IntelliJ, Eclipse, Velocity Studio |
| **Services** | SOA architecture, RESTFUL/SOAP, Microservices, Axis 2, Apache CXF. |
| **Concepts** | UML, Design Patterns. |
| **RDBMS** | Oracle 11g/10g/9i/8i/7.x, DB2, MySQLServer, MySql, PostgresSQL |
| **Middleware Tools** | Jenkins, Puppets, Bamboo, JIRA |
| **Build Scripts** | ANT, Maven, PCF |
| **Software configuration Management Tools** | SVN, Git, CVS, VSS, Clear Case. |
| **Methodologies** | Agile, Waterfall. |
| **Other Tools** | Clear Quest, TOAD, Rational Rose, PuTTY, FireBug, Bugzilla, JIRA, Websphere MQ, Jenkins, PowerMock, Mockito. |

**PROFESSIONAL EXPERIENCE:**

**Client :Williams-Sonoma Apr 2024-Present**

**Role : Sr. Full Stack Software Engineer**

* Led the design, development, and deployment of enterprise-grade Java applications using Spring Boot, ensuring high performance, scalability, and maintainability.
* Designed and optimized Cassandra data models and Oracle SQL databases to efficiently store and retrieve data, leveraging partitioning, indexing, and query optimization techniques.
* Implemented Kafka-based event-driven architectures for real-time data processing, enabling seamless integration and communication between microservices and external systems.
* Optimized backend systems for performance and scalability, utilizing multithreading, asynchronous processing, and caching mechanisms to handle high loads and improve response times.
* Implemented robust security measures, including authentication, authorization, and encryption, using Spring Security and OAuth2 to protect sensitive data and resources.
* Led the development of custom e-commerce platforms or extended existing ones using Java technologies such as Spring Boot, Hibernate, and Apache Tomcat, ensuring high performance, scalability, and reliability.
* Implemented comprehensive monitoring and logging solutions using tools like Prometheus, Grafana, and ELK stack to proactively identify and address performance bottlenecks and system failures.
* Developed interactive and responsive web applications using Vue.js, leveraging its component-based architecture and reactive data binding to create dynamic user interfaces.
* Utilized Freemarker templating engine to generate dynamic HTML content server-side, combining it with Vue.js for client-side interactivity and seamless integration of frontend and backend logic.
* Integrated e-commerce platforms with various sales channels, including websites, mobile apps, social media platforms, and third-party marketplaces, using Java-based RESTful APIs and web services.
* Worked closely with UI/UX designers to translate design mockups into functional frontend components, ensuring pixel-perfect rendering and optimal user experience across different devices and browsers.
* Ensured cross-browser compatibility and accessibility by following web standards and best practices, conducting compatibility testing, and applying CSS and JavaScript polyfills as needed.
* Optimized frontend performance by minimizing page load times, reducing render-blocking resources, and implementing lazy loading and code splitting techniques to improve the overall user experience.
* Designed and developed reusable UI components and libraries using Vue.js directives, mixins, and plugins, promoting code reuse and maintainability across different projects and modules.

**Client: Vangaurd, Malvern, PA Feb 2023 – Mar -2024**

**Role: Sr Fullstack Java Developer**

**Roles & Responsiblities**

* Utilize JavaScript Object Notation (JSON) for validation of documentation data required by the given application.
* Worked with AWS Elastic BeanStalk for deploying the application into the proper environments.
* Utilize Apache Log4j to capture the log that includes runtime exceptions.
* Demonstrated expertise in implementing security measures such as authentication and authorization using industry-standard identity protocols like OAuth 2.0 and OpenID Connect. Ensured compliance with regulatory frameworks such as GDPR and HIPAA, with a deep understanding of domain-specific security requirements.
* Configured AWS CloudWatch service for monitoring Memory utilization, Server performance and implement the best optimal actions that can further enhance performance.
* Responsible for designing, developing, and maintaining backend systems using Java EE technologies such as Servlets, JSP, JMS, JPA, Spring MVC, and Hibernate.
* Participated in all phases of the SDLC, from requirement gathering and analysis to design, implementation, testing, and deployment. Collaborated with cross-functional teams including business analysts, QA engineers, and project managers to deliver high-quality software products within scheduled timelines.
* Developed the online web application using HTML/CSS & JavaScript, Spark, Angular.js /Angular4/5, Vue.js, Node.js, Spring Boot, Spring MVN and Bootstrap.
* Played a key role in designing, implementing, and maintaining RESTful APIs to facilitate communication between different components of web applications and microservices. Utilized HTTP methods, status codes, and headers effectively to ensure robust and standardized API interactions.
* Experience in branching, tagging, merging and maintaining the version across the environments using SCM tools like Subversion (SVN), CVS, Perforce and GIT windows environment.
* Setup and managed light weight Kubernetes K3s for self-healing and high availability
* Vue.js skills should have a strong foundation in Java programming, including proficiency in Java SE and Java EE for back-end development.
* Developed RESTful APIs using Spring MVC, incorporating identity standards like OAuth 2.0 for secure access control and user authentication. Collaborated with frontend developers to design API endpoints that adhere to industry best practices and domain-specific requirements.
* Lead the analysis of project requirements, collaborating closely with stakeholders to gather and understand business needs. Utilized strong object-oriented programming skills to translate requirements into scalable and maintainable software designs, ensuring alignment with architectural principles and best practices.
* Designed scalable architectures capable of handling increasing loads and user demands. Utilized horizontal and vertical scaling strategies, containerization technologies like Docker and Kubernetes, and cloud-based solutions like AWS Auto Scaling to dynamically adjust resources based on workload fluctuations.
* Designed and developed web applications following the MVC architectural pattern to separate concerns and improve code organization and maintainability. Implemented clear separation between presentation logic (View), business logic (Model), and user interactions (Controller) using frameworks like Spring MVC.
* Designed and developed modular and extensible software architectures using object-oriented design principles such as encapsulation, inheritance, and polymorphism. Employed design patterns such as MVC (Model-View-Controller), Observer, and Factory to promote reusability and scalability across projects.
* Proficient in configuring and managing application servers like Apache Tomcat, JBoss, and IBM WebSphere, as well as servlet containers for deploying Java EE applications.
* Used Session Facade, Abstract Factory, singleton, DAO design patterns.
* Implemented the function to send and receive AMQP messages on RabbitMQ synchronously and asynchronously, and send JMS message to Apache ActiveMQ on the edge device.
* Conducted comprehensive unit testing using JUnit and integration testing using tools like Mockito and Cucumber. Proficient in debugging and troubleshooting backend issues related to identity management and security, ensuring robustness and reliability of the application.
* Designed and developed microservices architecture to decompose monolithic applications into smaller, independently deployable services. Leveraged technologies like Spring Boot and Netflix OSS stack (including Eureka, Ribbon, Zuul) to build resilient and scalable microservices ecosystems.
* Analysis the Nexus service codebase for performance and security enhancement.
* Proficiently configured and managed application servers like Apache Tomcat, JBoss, and IBM WebSphere, alongside servlet containers, ensuring seamless deployment of Java EE applications with a focus on identity management and security.
* Led the design and implementation of reliable systems by incorporating fault-tolerant mechanisms such as redundancy, graceful degradation, and error recovery strategies. Designed systems with built-in monitoring and alerting capabilities to detect and mitigate potential failures proactively.
* Used the Java API to load the data into Cassandra Clusters
* Conducted code reviews to ensure adherence to coding standards, best practices, and design principles. Proactively identified opportunities for code refactoring and optimization to improve code quality, performance, and maintainability.
* Demonstrated expertise in Java programming language, leveraging advanced object-oriented concepts to implement robust and efficient software solutions. Utilized design patterns and principles such as SOLID (Single Responsibility, Open/Closed, Liskov Substitution, Interface Segregation, Dependency Inversion) to write clean, maintainable, and testable code.
* Designed and implemented database schemas using SQL for relational databases such as MySQL and Oracle. Utilized JPA (Java Persistence API) for ORM (Object-Relational Mapping) and Hibernate for efficient data access and manipulation.
* Designed and implemented robust database schemas using SQL for relational databases such as MySQL and Oracle. Leveraged JPA (Java Persistence API) for efficient Object-Relational Mapping (ORM) and Hibernate for optimized data access and manipulation, with a keen eye on data privacy and compliance.
* Identified and optimized performance bottlenecks in backend systems, focusing on identity-related processes such as authentication and token validation. Employed caching strategies, database indexing, and code optimization techniques to enhance system responsiveness and scalability.
* Implemented messaging systems using JMS (Java Message Service) for asynchronous communication between application components, ensuring reliability, scalability, and adherence to identity standards. Proficient in integrating third-party identity providers for seamless user authentication and authorization workflows.
* Implemented messaging systems using JMS (Java Message Service) for asynchronous communication between components of the application, ensuring reliability and scalability.
* Implemented API documentation using tools like Swagger/OpenAPI, ensuring clear and consistent documentation for internal and external stakeholders. Adhered to RESTful API design principles such as resource naming, HTTP method semantics, and HATEOAS (Hypermedia as the Engine of Application State).

**Environment:** Java 1.8, PL/SQL, Angular JS, Spring Boot, Angular 10, MySQL, MongoDB, XML, SOAP, Junit, Apache Camel, Hibernate, Microservices, AWS, Elastic search, Terraform, JDBC, LESS, RESTful Web service, SOA Design Patterns, Cassandra, HTML5, CSS3.

**Client: HCA HealthCare, Houston, TX Dec 2020 – Jan 2023**

**Role: Fullstack Java Developer**

**Roles & Responsiblities**

* Worked as a Full-stack Developer participated in various phases of Software Development Life Cycle including Requirements Analysis, Design, Implementation and Maintenance in Agile and Daily Scrum environment.
* Migrated from Angular2 to Angular4 for making the code lesser, cleaner, improving the performance by supporting the new version of TypeScript which increases Type security and speed of ngc-Compiler.
* Spearheaded the design, development, and maintenance of backend systems using Java EE technologies such as Servlets, JSP, JMS, JPA, Spring MVC, and Hibernate. Implemented industry-standard identity protocols such as OAuth 2.0 and OpenID Connect for secure authentication and authorization mechanisms.
* Demonstrated expertise in the Spring framework, including core Spring IOC (Inversion of Control) container and Spring AOP (Aspect-Oriented Programming) for cross-cutting concerns such as logging and transaction management. Utilized Spring's declarative transaction management and dependency injection features to build modular and loosely coupled applications.
* Developed RESTful APIs using Spring MVC, providing endpoints for frontend interactions and integration with other services.
* Imported data from various resources to the Cassandra cluster using Java APIs.
* Applied various design patterns such as Singleton, Factory, Observer, and Dependency Injection to design flexible, reusable, and maintainable software components. Utilized design patterns to address common architectural challenges and promote code maintainability and scalability.
* Implemented security measures for web services and microservices, including authentication and authorization mechanisms such as OAuth 2.0 and JSON Web Tokens (JWT). Ensured secure transmission of data over HTTP using SSL/TLS encryption and best practices for securing APIs.
* Designed software solutions with scalability in mind, anticipating future growth and requirements. Implemented performance optimization techniques such as caching, lazy loading, and asynchronous processing to enhance system responsiveness and efficiency.
* Maintained detailed documentation of codebase, APIs, and system architecture, emphasizing identity standards and security measures implemented. Collaborated closely with frontend developers, QA engineers, and project managers to ensure seamless integration and delivery of features, with a strong emphasis on identity-related functionality.
* Running the coding standard utilities like Fortify and Purify to make sure the code is bug free and coding standards are followed
* Knowledge on set up Cassandra wide monitoring scripts and alerting system.
* Implemented security measures such as authentication and authorization using Spring Security, ensuring data privacy and protection against unauthorized access.
* Used several J2EE Design Patterns Session Fa ade, Aggregate Entity for the Middle Tier development
* Optimized the performance of web services and microservices by implementing caching strategies, asynchronous processing, and load balancing techniques. Monitored and analyzed service performance using tools like Prometheus and Grafana, identifying and resolving bottlenecks to improve system responsiveness.
* Integrated web services and microservices into CI/CD pipelines using tools like Jenkins or GitLab CI/CD, automating build, test, and deployment processes. Implemented blue-green deployment and canary release strategies to minimize downtime and ensure seamless updates.
* Developed an application security infrastructure based on JSON web token (JWT) and Microsoft Azure's gateway authentication mechanism.
* Conducted unit testing using JUnit and integration testing using tools like Mockito and Cucumber. Proficient in debugging and troubleshooting backend issues for optimal performance and reliability.
* Maintained comprehensive documentation including design documents, technical specifications, and API documentation. Actively participated in knowledge sharing sessions, mentoring junior developers, and fostering a culture of continuous learning and improvement within the team.
* Implemented logging and monitoring solutions using tools like ELK stack (Elasticsearch, Logstash, Kibana) or Splunk to track service activity, diagnose issues, and analyze system performance. Utilized centralized logging to aggregate logs from different microservices for comprehensive monitoring.
* Identified and optimized performance bottlenecks in backend systems, improving response times and scalability through techniques such as caching, database indexing, and code optimization.
* Implemented database backup and recovery strategies to safeguard critical data against loss or corruption. Scheduled automated backups, implemented point-in-time recovery mechanisms, and tested disaster recovery procedures to ensure data availability and business continuity.
* Documented codebase, APIs, and system architecture for reference and future maintenance. Collaborated with frontend developers, QA engineers, and project managers to ensure seamless integration and delivery of features.

**Environment**: J2EE, JDK, HTML, CSS, DB2, Ajax, Spark, AngularUI, jQuery, ExpressJs, Vue.js, JavaScript, Cassandra, RedUX, AngularJS, Angular2/4/6/8, Node.js, Bootstrap, Oracle, Spring, Kafka, Hibernate,PL/SQL, Kubernets, AWS, Web Services (SOAP), JMS, RESTful, Multithreading, WebSphere, Apache, Maven.

**Client: AbbVie, Vernon Hills, IL Sep 2018 – Nov 2020**

**Role: Java Developer**

**Roles & Responsibilities**

* Worked with salesforce team to initiate and update journey of customer events for joint application and firing the events along with inputs from JSON and receiving it on ActiveMq to validate and verify.
* Demonstrated proficiency in NoSQL databases such as MongoDB and Apache Cassandra. Designed and implemented schema-less data models, leveraging document-based and wide-column store paradigms for flexible and scalable data storage.
* Developed JDBC (Java Database Connectivity) applications for connecting Java applications to relational databases, ensuring efficient data access and transaction management. Implemented connection pooling and resource management techniques to optimize database interactions.
* Identified and addressed performance bottlenecks in database systems through query optimization, index tuning, and database parameter tuning. Monitored database performance metrics using tools like Oracle Enterprise Manager and PostgreSQL pgAdmin.
* Implemented Agile Methodology for project Management.
* Implemented robust error handling mechanisms and implemented circuit breakers and retry policies using libraries like Hystrix to ensure resilience and fault tolerance in microservices architecture. Designed graceful degradation strategies to maintain system functionality under adverse conditions.
* Managed data migration projects, including the extraction, transformation, and loading (ETL) of content and metadata from legacy systems into FileNet repositories.
* Integrated Spring framework with other technologies and frameworks such as Hibernate for ORM (Object-Relational Mapping), Thymeleaf for server-side templating, and Spring Security for authentication and authorization, ensuring seamless interoperability and comprehensive application functionality.
* Managed and maintained relational databases including Oracle, MySQL, and PostgreSQL. Designed database schemas, normalized data models, and enforced data integrity constraints to ensure consistency and reliability of data.
* Utilized Hibernate ORM framework to simplify database interactions and abstract low-level JDBC operations. Designed object-relational mappings (ORM) to map Java objects to database tables, enabling seamless integration of object-oriented code with relational databases.
* Designed and executed data migration and ETL (Extract, Transform, Load) processes to transfer data between different databases and storage systems. Implemented data cleansing and transformation logic to ensure data quality and consistency during migration.
* Designed and developed microservices-based applications using Spring Boot, enabling rapid development and deployment of standalone, production-grade Spring-based applications. Leveraged Spring Boot's auto-configuration and embedded server features to streamline application setup and deployment processes.
* Rewrite existing Java application in Python module to deliver certain format of data. Generated Python Django forms to record data of online users.
* Developed complex SQL queries, stored procedures, and triggers for efficient data retrieval, manipulation, and management. Utilized advanced SQL features such as window functions, common table expressions (CTEs), and indexing strategies to optimize database performance.

**Environment:** Java8, REST, MicroServices ,SOAP, Spark, XML, Spring, Spring Boot, Vue.js, Cassandra, Python, Spring MVC, Hibernate, JavaScript, Docker, Version one,Confluence, Git, Jenkins, Kubernetes, Maven, Kafka, Jmeter, Jboss, JMS, Apache Tomcat, Active Mq, Splunk, POSTMAN.

**Client: Trimble, Cleveland, OH May 2016 – Aug 2018**

**Role: Java/J2EE Developer**

**Roles & Responsibilities**

* Defined and constructed layers, server-side objects and client-side interfaces based on J2EE design patterns, Developed and implemented Spring, JSF My Faces and J2EE based MVC (Model-View-Controller) framework for the application.
* Made use of gradle and maven for building applications and written structured pom which can can be consumed by Jenkins.
* Implemented data access layers using Spring Data JPA to simplify database interactions and reduce boilerplate code. Leveraged Spring Data repositories and query methods to perform CRUD operations and complex queries, seamlessly integrating with JPA and Hibernate.
* Usedreact-bootstrap for styling and responsive web design.
* Design and Developed SOAP services using SOAP Nodes in IIB.
* Developed Web Services using XML messages that use SOAP.
* Worked as an Administrator for all the CI/CD tools
* Designed highly available architectures using distributed systems principles, clustering, and load balancing techniques. Implemented active-active and active-passive failover mechanisms to ensure continuous availability and resilience against hardware and software failures.
* Worked with Core Spring Framework for Dependency Injection, Spring Context to provide message sources.
* Developed Spring Configuration file to define data source, beans and Hibernate Properties.
* Created .ear file, Deployed ear file into JBOSS application server (Test, Live servers)
* Involved in complete end to end analysis and design for the application.
* Testing Vue.js applications using tools like Jest or Vue Test Utils to ensure code quality and robustness.
* Analyzed complete Application code to find out how it affects the user if the data received from upstream systems change.
* Planned the front-end single page application with React.
* Involved in gathering business requirements, analyzing the project and Implementation.
* Designed and developed the User Interface using JSP, HTML, CSS and JavaScript.
* Designed and developed Use and Transport System screens using JSF components
* Developing web application for e-tracking Management (accounting and logistics) using JSF 2.0, PrimeFaces 4.1 for view, and look and feel using Dependency Injection Spring 3.2 and ORM Hibernate 4.1.
* Completed Server Setup for new companies and deployed the code.
* Communicating with end users.
* Designed, Implemented and Deployed a framework for New Hire Onboarding and Off Boarding Process via Workday as a Master using OKTA. Implemented and deployed ServiceNow Orchestration with Okta for Automation of Okta operational activities and downstream applications access
* Maintaining application servers, hardware servers, and network.
* Maintaining daily database backups, restoring backups, procedures, triggers, schedules, and SQL.

**Environment:** Java, Spring, JSF My Faces, Vue.js, MVC, XML, SOAP, Hibernate, HTML, CSS.

**Client: Data Systems Integration Group - Hyderabad, India Jan 2013 – Mar 2016**

**Role: Software Engineer**

**Roles & Responsibilities**

* Participated in low level design and requirement understanding with functional team
* Used OOAD and OOP’s concept like Abstraction, Polymorphism, Inheritance, Encapsulation
* Extensively used Java Collections and Reflection API
* Implemented multithreading concepts for caching application data.
* Used design patterns like Business Delegate, Singleton, Session Facade, MVC, Service Locator
* Developed screens using JSP, DHTML, CSS, AJAX, JavaScript, Struts, Spring, Java1.5, EJB3.0 and XML
* Implemented MVC architecture using Spring and Struts frameworks combined with EJB 3.0 JPA for database persistence.
* Created Single page application using Backbone.JS and Node.JS to handle data flow.
* Used Struts Tiles Framework to structure core application webpage layouts and to assemble the JSPs.
* Also created various common tags that are reused for handling common functionalities like data element filtering, Parent/Child dropdowns etc.

**ENVIRONMENT:** Java**,** JSP, DHTML, CSS, AJAX, JavaScript, Struts, Spring, Java1.5, EJB3.0, Backbone JS, Node JS etc.