**SAI KIRAN**

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**SUMMARY:**

* IT Professional with 7 years of Software development experience with full project lifecycle development using **Java**/**J2EE** technologies along with UIdevelopment experience.
* Extensively worked on **core java concepts like Inheritance, Abstraction, Encapsulation, Polymorphism, Exception handling, Multi - Threading and Collections Framework**
* Experience in developing applications using **Waterfall,** **Agile** methodologies with **Test Driven Development (TDD)** and **SCRUM.**
* ExpertiseinObject oriented analysis, design/development methodologies, **UML Use Cases**, **Sequence, Page Flow** and **Class** **Diagrams**.
* Experience in implementing **JAVA/JEE** design patterns such as **MVC, Singleton, Factory, Session Facade** and **Business** **Delegate**.
* Extensive experience with both core and advanced Java technologies which includes **Java, XML, JavaScript, JEE, JSP, EJB 2.0/3.0, JDBC, Struts, Servlets, JMS, JSF My Faces, Rich Faces, Prime Faces, JPA, JAX-WS, JAX\_RS, Spring** and **Hibernate**.
* Good at creating rich frontend for Single Page Applications in **AJAX, JSF** / **JavaScript** technologies using JavaScript libraries like **jQuery, Angular JS,** **Angular 4, React JS, Bootstrap.**
* Good knowledge and experience of **Object oriented programming** with latest trend of programming like design/integration patterns, declarative programming **(RX Java) etc**.
* Developed Microservices to provide RESTful API utilizing Spring Boot with various data persistence frameworks.
* Extensive knowledge in using Java Script frameworks such as jQuery and DOJO.
* Extensively worked on XML technologies like XML, XSL, XSD, XSLT, XQuery, XPath and DTD.
* Expertise in client-side design and validations using HTML, DHTML, CSS, Java Script, JSP and JSTL.
* Experience in developing applications using AngularJS, Bootstrap like Grids, Toolbars, Panels, Combo-Box and Button etc.
* Built REST API services with OAuth 2.0 authorization for task execution, user management and provisioning tenants.
* Involved in the continuous enhancements and fixing of production problems. Designed, implemented and tuned interfaces and batch jobs using PL/SQL. Involved in data replication and high availability design scenarios with Oracle Streams. Developed UNIX Shell scripts to automate repetitive data base processes.
* Implemented SOA architecture with web services using SOAP, WSDL, UDDI and XML.
* Good Experience in implementing Web Services such as SOAP and REST using CXF2, Jersey, JAX-WS, JAX-RS.
* Good Understanding of APIGEE architecture.
* Have used almost all the Apigee edge policies while implementing endpoints on gateway.
* Strong Hands on Experience working with **IBM MQ Series** and **JMS** for communications between middleware components.
* **Involved in using Core java concepts - Collections, Exception Handling, Multi-Threading and Serialization.**
* Expertise in J2EE Middle tier applications using EJB 2.0/3.0 and Spring 3.0.
* Experience in designed and developed backend application servers using Python.
* Strong experience in Developing applications by implementing **MVC** framework like **Struts 2.0, Spring 3.x** and **ORM** technologies like **Hibernate**, **JPA**, **Spring JPA**.
* Expertise in Cutting **Edge** **Technologies** like **EJB, JMS, REST, Jersey, JTA, XML** and **Web Sphere MQ Series** with good experience in Developing and Deploying **Enterprise** **Java** **Beans** on **Application** **Servers** like **WebLogic**, **WebSphere** and **JBoss**.
* Having good **RDBMS** concepts knowledge and worked with **MySQL, Oracle 10g.**
* Experience working with NOSQL databases like **MongoDB.**
* Proficient in **SQL** and wrote **Stored Procedures, Triggers** besides writing **DDL**, **DML** andtransaction queries with development tools like **TOAD** and **Aqua Data Studio**.
* Expertise knowledge in building applications using **Rational Unified Process (RUP), UML** and **OOAD.**
* Experienced in writing unit test cases using **Junit, Mockito, TestNG**.
* Hands on Experience in writing shell, ANT, Maven, Gradle, Jenkins (CI) scripts for builds and deployments to different environments.
* Good Working Knowledge on using tools like **JIRA**, **Confluence, Rally.**
* Involved in developing **Test plans, Test Cases (Manual/Automated), Test Procedures** and **white-box** and **black-box testing.**
* Worked on setting up **Jenkins** for continuous integration and continuous builds with **Maven, Gradle and ANT.**
* Experience in working with applications deployed to **AWS cloud** and hands on experience using **AWS** management console and SDK to interact with **AWS** services.
* Development experience includes working with cross functional team and global development teams in **Onshore/Offshore** Model.
* Excellent communication skills, interpersonal, strong architectural skills, hardworking and a very good team player and ability to effectively communicate with all levels of the organization.

##### **TECHNICAL SKILLS:**

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| --- | --- |
| **Languages** | C, Java (J2SE1.7/1.6/1.5, J2EE1.5/1.4), SQL, Python |
| **Technologies** | JSP 2.x, Servlets (3.x), JDBC 4.x, Struts2.x/1.x, Hibernate 3.x/4.x, Spring 3.x/4.x, EJB3.0, JSTL, JSF, Web Services, Log4j, Spring Core, Spring Data, Spring Security. |
| **Web Technologies** | HTML5, CSS3, XML 1.0, JavaScript 1.x, jQuery, Angular 2/4/5, AngularJS, ReactJS, Bootstrap,  AJAX, SOAP, REST, JSON,**JAX**-WS, JAX-RS, |
| **Development Tools (IDEs)** | Eclipse, NetBeans 8.x, IntelliJ 15.x, STS, Brackets, Sublime Text, Visual Studio |
| **Web/Application Servers** | Tomcat, JBoss Wildfly |
| **Design Patterns** | MVC, Singleton, Front Controller, Session Façade and DAO patterns |
| **Databases** | MySQL, Oracle 11g/10g/9i, MongoDB |
| **Platforms** | Windows, UNIX, LINUX, AWS |
| **API Testing Tools and Developer Tools** | Junit 4.x, Jasmine, Protractor, Selenium, SOAPUI, Postman, Swagger |
| **Version Control** | CVS, SVN, GIT |
| **Methodologies** | Agile Methodology, Waterfall |
| **Build Tools** | Ant, Maven, Jenkins |

## EDUCATION:

**Bachelor’s in Computer Science and Engineering, India**

## PROFESSIONAL EXPERIENCE:

**Northern Natural Gas, Omaha, NE April 2018 – Till Date**

**Role: Java developer**

**Responsibilities:**

* Followed **Agile** methodology and involved in daily **SCRUM** meetings, sprint planning, showcases and retrospective and used **JIRA** as a tracking tool for the sprints.
* Created Typescript reusable components and services to consume REST API's using Component-based architecture provided by **Angular 2**.
* Implemented **Spring REST** in place of legacy **EJB** technology by replacing **EJBs** with **Spring** **Controllers** and linking **Services.**
* Written **REST** endpoints using **annotations** and **Jackson** **libraries** and tested those endpoints in **Postman** and from **UI** end.
* Implemented presentation layer using HTML and did front-end validations using **Angular Forms** and **Typescript**.
* Used **Angular router** for page navigationand defined **Http interceptors** for the **Http Client** to insert token to the request.
* Complementing Rx java logic to retrieve a flow of one list or error, which accepts multiple lists and returns single zip/error.
* Used **Angular** charting library to develop views that has **line, pie, bar** and **dynamic charts**.
* Used **Hibernate**, Object/relational-mapping (ORM) solution, technique of mapping data representation from MVC model to oracle relational data model with SQL-based schema.
* Used Spring framework including **Spring core/IoC, Spring Web, Spring Security and implement the authentication, authorization, and access-control features by using Spring Security.**
* Created and injected **spring** **services**, **spring** **controllers** and **DAOs** to achieve dependency injection and to wire objects of business classes.
* We have followed Mean Stack Application by involving Microservices architecture to build front-end, back-end and database.
* Used Spring **MVC** to handle/intercept the user requests and used various controllers to delegate the request flow to the back-end tier of the application.
* Developed the Microservices with Spring Boot and RabbitMQ.
* Expertise in writing SQL queries, Views, Materialized views, PL/SQL procedures, functions, packages, triggers, cursors, collections, Ref cursor, cursor variables, System reference cursor, Dynamic SQL.
* Proficiency to create composite data types such as PL/SQL records and PL/SQL collections
* Testing and production support of core java based multithreading ETL tool for distributed loading XML data into Oracle11g database using JPA/Hibernate.
* Used Spring Core for dependency injection/Inversion of control (IOC) and Hibernate Framework for persistence onto oracle database.
* Highly proficient in Service Oriented Computing and Object-Oriented Programming and experience building APIs using REST with OAuth 2.0 authorization layer. Experience in building Distributed systems and APIs
* Web API development with OAuth 2.0 (token authorization)
* Good experience in developing customized policies in Apigee Edge and developing API's in Apigee Baas.
* Performed Service Level Testing for Web services using Soap UI, Postman and Apigee.
* Experience providing Apigee Edge Platform diagnostic and troubleshooting ability.
* Extensively worked on Spring bean wiring, Spring **DAO** and spring **AOP** modules and implemented Spring **AOP** in exception handling, which reduces the development time to handle the exceptions.
* Deployed production site using Apache 2.0 with mod Python.
* Provided Transaction Management using the**Hibernate configurations** and Involved in integrating the**business layer** with**DAO layer** using**JPA**.
* Developed views and templates with Python and Django's view controller and templating language to create a user-friendly website interface.
* Worked on relational database design and writing **SQL** queries, stored procedures, views, and functions with **Oracle**.
* Developed, debugged, integrated and deployed applications using **Eclipse (IDE)** and used **GIT** as a Version Control**.**
* Involved in build process, modifying the **Gradle** files, compiling the code building, packaging the WAR file and deploying onto various Tomcat servers in UNIX environments.
* Worked with java libraries to access **AWS** facilities as Simple Storage service, Simple queue and Simple DB
* Implemented business logic using session beans for integration of **EJB's** into struts framework.
* Worked on setting up **Jenkins** jobs for CI/CD and for deploying the **docker** images to **AWS** container services.
* Scaled the component interactions and generalized the interfaces using **Restful** web service.
* Worked on **JMS** for developing messaging services and implemented message listeners for message processing and delivery.
* Used **Log4j** for tracking errors and debugging the code and Resolved bugs and Change Requests to already existing code.
* Used **Jenkins** continuous integration tool and used **Git** as a version control system to store and retrieve the code.

**Environment:** Java 1.8, JMS, Spring 4.0, HTML5, CSS3, Angular 2, OAuth, JavaScript, Microservices, XML, Restful API, JSON, MS SQL Server, Hibernate 4, Rx Java, GIT, Junit 4.9, EJB, log4j, AWS, Eclipse, JIRA, Jenkins, Postman.

**New York Life Insurance, NYC Dec 2017 – April 2018**

**Role: Full Stack developer**

**Responsibilities:**

* Followed **Agile** methodology and involved in daily **SCRUM** meetings, sprint planning, showcases and retrospective and used **JIRA** as a tracking tool for the sprints.
* Created Typescript reusable components and services to consume REST API's using Component-based architecture provided by **Angular 4**.
* Implemented presentation layer using HTML and did front-end validations using **Angular Forms** and **Typescript**.
* Used **Angular router** for page navigationand defined **Http interceptors** for the **Http Client** to insert token to the request.
* Worked with various Inbuilt **Angular** modules such as @angular/core, @angular/common, @angular/forms, @angular/router, @angular/http etc.
* Used **Angular CLI** to generate components, services, modules and specs and developed both unit and integration tests using **Jasmine**.
* Created services with **Angular 4** @injectable property, as to make the service available for dependency injection when creating components.
* Architected a Node app using Passport JS to create OAuth authentication and Stripe JS for implementing billing for a React app built using Create React App
* Assist customers with authentication including 2FA, OAuth, SAML 2.0 and access.
* Configuring infrastructure for deployment of Middleware application through APIGEE.
* Troubleshooting and monitoring API proxies running on Apigee using APIGEE Trace tool.
* Used APIGEE Killer to check the performance of each component of Apigee product and fixed lots of issues.
* Used **Angular** charting library to develop views that has **line, pie, bar** and **dynamic charts**.
* Worked with **PrimeNG** components such as data tables, data lists and tree components and used **NG-Redux** to manage the state in the application.
* Used Rx Java in enhancing the level of abstraction around threading.
* Extensively used the advanced features of PL/SQL like Records, Tables, Object types and Dynamic SQL
* Developed SQL Loader control programs, interfaces and PL/SQL validation scripts to transfer flat file data into oracle database and Oracle Applications base tables.
* Extensively used Core Java, Servlets, JSP, XML and spring in presentation tier.
* Used JQuery core library functions for the logical implementation part at client side for all the application.
* Used **Hibernate**, Object/relational-mapping (ORM) solution, technique of mapping data representation from MVC model to oracle relational data model with SQL-based schema.
* Created and injected **spring** **services**, **spring** **controllers** and **DAOs** to achieve dependency injection and to wire objects of business classes.
* Built application logic using Python.
* Django framework was used to make changes to the code to access Python libraries for the data transfer.
* Used Spring **MVC** to handle/intercept the user requests and used various controllers to delegate the request flow to the back-end tier of the application.
* Worked extensively on developing **controllers**, **Interfaces** and **implementation** classes using **Spring MVC** framework and used **Micro service** architecture with Spring Boot based service through **REST.**
* Extensively worked on Spring bean wiring, Spring **DAO** and spring **AOP** modules and implemented Spring **AOP** in exception handling, which reduces the development time to handle the exceptions.
* Deployed production site using Apache 2.0 with mod Python.
* Provided Transaction Management using the**Hibernate configurations** and Involved in integrating the**business layer** with**DAO layer** using**JPA**.
* Developed views and templates with Python and Django's view controller and templating language to create a user-friendly website interface.
* Worked on relational database design and writing **SQL** queries, stored procedures, views, and functions with **Oracle**.
* Developed, debugged, integrated and deployed applications using **Eclipse (IDE)** and used **GIT** as a Version Control**.**
* Involved in build process, modifying the **Gradle** files, compiling the code building, packaging the WAR file and deploying onto various Tomcat servers in UNIX environments.
* Worked with java libraries to access **AWS** facilities as Simple Storage service, Simple queue and Simple DB
* Implemented business logic using session beans for integration of **EJB's** into struts framework.
* Worked on setting up **Jenkins** jobs for CI/CD and for deploying the **docker** images to **AWS** container services.
* Scaled the component interactions and generalized the interfaces using **Restful** web service.
* Coordinated with QA team for development of test plan, test cases, test code and responsible for defects allocation and resolution of those defects using **jasmine and karma**.
* Worked on **JMS** for developing messaging services and implemented message listeners for message processing and delivery.
* Used **Log4j** for tracking errors and debugging the code and Resolved bugs and Change Requests to already existing code.
* Used **Jenkins** continuous integration tool and used **Git** as a version control system to store and retrieve the code.

**Environment:** Java 1.8, STS, JMS, Python, OAuth, Spring 4.2, HTML5, CSS3, Angular 4, JavaScript, XML, Restful API, JSON, Oracle12c, Hibernate 4, GIT, Junit 4.9, EJB, Jasmine, Karma, log4j, AWS, Eclipse, JIRA, Jenkins.

**AAA Insurance, Orlando, FL Jan 2016 – Nov 2017**

**Role: Java/UI developer**

**Responsibilities:**

* Participated in **Agile Scrum** methodology for application development and involved in developing of design documents with UML class diagrams.
* Created **HTML**, **CSS**, **JavaScript**, **DHTML** pages for Presentation Layer.
* Developed the User Interactive web pages in a professional manner with using web technologies like HTML, JS, and CSS as per company’s standards.
* Developed Single page application using **React**, **Redux**, **JSX**, **HTML5**, **CSS3, Redux thunk, Axios, SASS, Webpack** and **Bootstrap**
* Participated in development of a well responsive single page application using **ReactJS** Library
* Developed **Redux** reducer functions, actions and used redux connect to update the components.
* Developed re-usable react container and presentational components using **ES6**, **JSX** and leverage various React component lifecycle methods
* Extensively used Core Java, Servlets, JSP, XML and spring in presentation tier.
* Used JQuery core library functions for the logical implementation part at client side for all the application.
* Developed unit tests using **Mocha, Chai, Enzyme** and use nock to mock Http requests.
* Involved in JavaScript coding for validations and passing attributes from one screen to another.
* Used **spring boot** to bootstrap the basic configuration of the project and to build a Stand-Alone application using **Spring Boot**.
* Worked on the dependency injection daggar 2.0 and Rx-java.
* Developed the business layer of the project using **spring boot** and implemented the core application modules using Spring Batch and **spring boot.**
* Developed REST APIs in **Spring** **Boot** to consume JSON data and integrated the backend logic with frontend views.
* Implemented Bean classes and configured in spring configuration file for Dependency Injection. Developed Controller Classes using **Spring** **Boot**, Spring Batch modules, handled security using Spring Security.
* Integrated with **REST**ful Services (JSON) to fetch data and build Transaction GRID and Dashboards.
* Developed Spring **REST** controllers to handle JSON data and wrote DAO’s and services to handle the data.
* Responsible for creating **micro-services** using spring boot services components and deployed them into the **AWS** cloud environment.
* Integrated **Spring** and configured **logging** using log4j and developed exception handling for the application**.**
* Designed and built reliable, highly scalable, agile and flexible systems using an expressive query language using **MongoDB**.
* Manipulated data using CRUD operations of **MongoDB** database and handled database access with Node JS.
* Wrote the **Junit** test cases to test the **Spring** DAO layer and created Batch Services to generate the reports using Spring Batch.
* Wrote **Spring JMS** message listeners to consume JMS messages coming from external applications using **JMS Template**.
* Setup **JIRA** Sandboxes and test new plugins and add-ons to ensure compatibility and used JIRA for task assignment, bug tracking and fixture.
* Involved in writing the end to end test cases using **Protractor**.
* Used **Log4j** for tracking errors and debugging the code and Resolved bugs and Change Requests to already existing code.
* Used **Jenkins** continuous integration tool and used **Git** as a version control system to store and retrieve the code.
* Used object storage container to store the secured files and retrieved from API by using Amazon web services (**AWS**)
* Used EJB's in the application and developed session beans for the business logic at the middle tier level.
* Developed and implemented the MVC Architectural Pattern using Struts Framework including JSP, Servlets, EJB, Form Bean and Action classes.
* Developed code participating in different layers of the application such as **JSPs for presentation, Servlets as controller and EJBs for holding business logic**
* Hosted and tested the application in **AWS** servers before publishing it in actual production environment.
* Supported the application on different environments from Test to Production environment. Analyzed the issues and fixed the defects assigned to me by the users.

**Environment:** Java 1.7/1.8, J2SE, JMS, Spring Boot, Batch, JBoss, XML, Rx Java,ReactJS, EJB, MongoDB, Sublime text, Windows 7, GIT, AWS, Rally, Eclipse Kepler, JIRA.

**Bank Of New York Mellon, Jersey City, NJ**   **Aug 2013 – Dec 2015**

**Role: Java/UI Developer**

**Responsibilities:**

* Designed and developed applications using **AGILE SCRUM methodology.** Created Use cases, Class Diagrams, Sequence Diagrams using **Rational Rose.**
* Designed and developed web UI screen using **Angular-JS**.
* Used **wireframes** to create dynamic web pages and style sheets using **HTML5 and CSS3.**
* Developed **AngularJS** Controllers, Services, filters and directives for various modules in the application.
* Created custom **directives**, **decorators**, and services using **AngularJS** to interface with both **REST**ful and legacy network services also DOM applications.
* Implemented nested views and routing using **Angular** UI Router as per the requirement.
* Created reusable components in **AngularJS** based on the project need using Custom Directives **Filters**, **Services** and **Factories**.
* Implemented **Angular** promises to handle asynchronous communication with our Rest API for various requirements.
* Took part in setting up the package. json file and the Application Dependencies by using the Node Package Manager (**npm**) from the command prompt.
* Worked on creating Dynamic Navigation bar through **JSON** data using **Node** JS service.
* Used **AWS** SDK for connection to **Amazon** **S3** buckets as it is used as the object storage service to store and retrieve the media files related to the application.
* Implemented **J2EE** design patterns such as **Session Facade, Factory, DAO, DTO and MVC**.
* Implemented business logic in **Middle Tier** using **pluggable components**, which were specified in the customized xml documents using **spring** framework
* Used **Hibernate**, **EJB**, **SQL**, **JDBC** and **JPA** to develop the persistent layer
* Developed **RESTful** web application to include mapping functionalities and development of UI framework.
* Designed, developed and delivered **RESTful** Web Services, which significantly improved performance and increased customer bases utilizing Core Java Spring Beans framework.
* Developed **Message Driven Beans** for receiving and processing data from **IBM MQ Series** using **JMS**.
* Made **JavaScript and html** modifications to add features to Mapping Locators on client’s pages based on the requirements.
* Developed database **triggers** and **procedures** to update the real-time cash balances.
* Used **Postman** Client to test the RESTful Web Services.
* Worked closely with the **testing team** in creating new **test cases** and created the **use cases** for the module before the testing phase.
* Extensively logged the data in the application using **Log4j**.
* Built the project using **Maven** and used **GIT** for version control.
* Coordinated work with DB team, QA team, Business Analysts and Client Reps to complete the client requirements efficiently.

**Environment:** Java 1.7, Angular Js, HTML5, CSS3, AWS, JMS, Spring, JavaScript, IBM MQ Series,Apachetomcat, Ant, Oracle9i, Eclipse, Sublime text, Junit, GIT.

**ICICI Bank, India Oct 2011 – Jul 2013**

**Role: Java/JEE Developer**

**Responsibilities:**

* Used **OOAD** for building applications**.** Involved in gathering **business requirements, analyzing** the project and creating **use** **Cases and Class Diagrams.**
* Interacted coordinated with the Design team, Business analyst and end users of the system.
* Created **sequence diagrams, collaboration diagrams, class diagrams**, **usecases** and **activity diagrams** using **Rational Rose** for the Configuration, Cache & logging Services**.**
* Developed user management screens using **JSF framework**, business components using **spring framework** and used **EJB** for the database configurations.
* Developed UI for Customer Service Modules and Reports using **JSF, JSP’s, Prime Faces, Apache My Faces Components, Ajax4JSF framework (Ajax) and Backing Beans.**
* Involved in writing **JSF Backing Beans** for controlling the **UI** and writing custom components and validations.
* Implemented business logic using **Spring service** layer and **Spring DAO** layer using **Spring Framework.**
* Implemented **Spring** architectureand **Spring Bean Factory** using **IOC, AOP** concepts.
* Designed and developed **Caching** and **Logging service** using **Singleton pattern, Log4j.**
* Used **SOAP** WebServices for checking customer information like name, credit checks.
* Transferred the application data between client and server using **XML**, developed the **XSL** to convert and compare the **SOAP** to simple **XML** and vice versa.
* Configured the **Spring** declarative transaction manager and implemented transaction management in the **DAO** layer.
* Worked on **WSDL** and **SOAP** messages for communication between application.
* Performed data driven testing by using JDBC in SOAP **UI** and configured SQL queries to fetch data from the Oracle database.
* Developed and deployed **Session Beans** and **Entity Beans** for database updates.
* Implemented **caching** techniques, wrote **POJO classes** for storing data and **DAO’s** to retrieve the data and did other database configurations using **EJB 3.0.**
* Prepared **EJB** deployment descriptors using **XML**.
* Involved in Configuration and Usage of Apache Log4J for logging and debugging purposes.
* Wrote **Action Classes**to service the requests from the **UI**, populate business objects & invoke **EJBs**.
* Wrote **Junit** test classes for the services and prepared documentation.
* Used Factory Method and Builder Design patterns for building the additional modules and automated the building, testing and deployment of the applications using **Gradle.**

**Environment:** Java 1.7, JSP, Servlets, Spring, JSF, XML, EJB 3.0, Hibernate, JSF, MyFaces, AJAX, WebServices, J2EE, SOAP UI, JBoss 6.0 , CVS, Oracle9i, Junit, Log4j.