**Sai Kiran**

**garinesaikiran12@gmail.com**

**203-430-3983**

**Sr. Java Full Stack Developer**

**PROFESSIONAL SUMMARY:**

* Sr. Full Stack developer with around 8+ years of experience in entire **SDLC** that includes Requirements **Analysis, Design, Coding, Testing, Implementation** using **Waterfall** and **Agile** model, Application development and design using **Java, J2EEE technologies**.
* Experience working with various SDLC methodologies based on **Agile**/**SCRUM** like **Test Driven Development(TTD), Incremental** and **Iteration methodology, Pair Programming, Agile Development.**
* **Extensive Experience in Developing UI modules and Professional web applications and Presentation Oriented layer using Angular9,VMware, Bootstrap, JavaScript, Ajax, jQuery, CSS3 and HTML5**
* **Expertise in using inbuilt and custom AngularJS directives and filters to add functionalities to the web page.**
* Experience in **Angular 9.0** along with **Bootstrap**, **CSS3**to creates reusable components for RWD applications.
* **Strong experience in Spring Framework modules such as Spring MVC, IOC, AOP, JDBC, JTA, IO, Spring Dashboard, Spring Boot, Spring Microservices, Spring REST, Spring Eureka, Spring Netflix**
* **Proficient in using Amazon Web Services (AWS). Experience focusing on services like EC2, Elastic Beanstalk, CloudWatch, Cloud Front, Cloud Formation, IAM, S3, RDS, Elastic Cache, SNS, SQS and AMI.**
* Used **Amazon Web Services (AWS)** a secure cloud services platform, offering compute power, database storage, content delivery and other functionality to help businesses scale and grow.
* **Strong understanding of multi-tier system building Skills in J2EE Technologies like EJB, XML, Spring 3/4/Boot, RMI, JMS, JDBC, Servlets, JSP, Hibernate, Web Services, JNDI and Integration Skills in IBM Web Sphere.**
* **Experienced in implementing Service Oriented Architecture and Web Services such as SOAP using WDSL, JAX-WS and REST using Spring Boot, Apache CFX, JAX-RS and Jersey Frameworks.**
* **Developed applications using latest technologies like EJB3.2, Spring 3.x/4.x, Hibernate3.2/4.x, REST based Web services (Axis2.0, JAX WS 2.0, JAX RS), Rule Engines (Drools4.1, ILOG), jBPM tools.**
* **Experience in working with Spring JDBC/JPA, JMS, Spring EAI, Spring Rest Templates, and Spring Batch.**
* **Experienced in Middleware persistence frameworks like Hibernate/JPA Entities for mapping Java classes using Hibernate Query Language (HQL), HSQL Named Queries, Criteria, and Projections.**
* Experience in implementing Java EE design patterns such as **MVC, Singleton, Factory, Adapter, Service Locator**
* **Session Facade, DAO, DTO, and Business Delegate** in the development of N-Tier distributed Enterprise Applications.
* **Strong experience in developing applications using Core Java concepts like OOPS, Multithreading, Collections Frameworks, Exception Handling, Data structures and JDBC.**
* **Experienced in developing Apigee Proxies, customizing policies, working with Apigee Edge, Developer Portal.**
* **Experienced with XML related technologies such DTD/Schema, XML, XSLT(DOM, SAX), and XPATH.**
* **Experience in database modeling, design and development of PL/SQL stored procedures, packages in relational databases: Oracle10g / 11g, SQL Server, DB2, Postgre SQL and MySQL.**
* **Experience in working with NoSQL** databases like **MongoDB**, **Cassandra**.
* **Experience in working with web servers like Tomcat 8, WebSphere 8.x/9.x, JBoss7.1.0 and WebLogic 12.0.**
* **Hands on experience with build tools like Ant, Maven, Gradle and Logging tools like Log4J 2 and Splunk.**
* Monitoring and logging tools such as **Splunk**, **ELK Stack** (Elastic search, Log stash, and Kibana).
* Experience in **RDBMS technologies like Oracle, MySQL, and Postgres using Functions, Triggers.**
* **Experience with CICD-Ant, Maven, Gradle, Jenkins, Concourse, CVS, Git, GitHub.**
* **Experienced in using IDEs such as IntelliJ, Eclipse, STS, Rational Application Developer (RAD), and NetBeans.**
* **Good Experience in Software Configuration management using SVN, Clear Case, Bitbucket, GitLab and Git.**
* **Experience in testing with JUnit Framework using Mockito and Easy Mock, Spring Junit Runner, JMeter.**
* **Experience in creating Docker images, Containers, push/pull and integrating with Spring Boot.**
* Expertise with employment of **Apache Kafka** and **Zookeeper** apart from **JMS** as messaging service.
* Good experience in **containerized orchestration using Docker, and Kubernetes.**
* Hands on IDE Tools like **Eclipse, IntelliJ, Spring Tool Suite**.
* Experience in object-oriented Language like **Java** and **Core Java**

**TECHNICAL SKILLS:**

|  |  |
| --- | --- |
| **Programming Languages** | **Java 11.0/8.0/7.0, PL/SQL** |
| **Java/J2EE Technologies**  | **Servlets, Spring, EJB, JPA, JDBC, JSP, JSTL, JNDI.** |
| **Frameworks** | **Spring Boot, Spring Data JPA, Hibernate, Spring Security 3.2** |
| **Application/Web servers** | **Apache Tomcat 8, IBM WebSphere 8.x/9.x, Web Logic 12c** |
| **Relational Databases** | **Oracle 10g/11g, SQL server 2012/2014/2016, MySQL 5.7, DB2 11.1, Postgres** |
| **NoSQL Databases** | **MongoDB, Cassandra** |
| **Internet Technologies** | **HTML 5, JavaScript, CSS 3/4, jQuery,Ajax, Angular9.0/8/6, Typescript, JSON** |
| **Cloud Environments** | **AWS, Kubernetes.** |
| **IDE** | **Eclipse, IntelliJ, Spring Tool Suite (STS) 3.8.3, Postman, TOAD** |
| **Testing &Bug tracking Tools** | **JUNIT4/5, Jasmine, Protractor, JIRA 7.0, Bugzilla 4.4.12, Curl 7.36, Blaze meter** |
| **Methodologies** | **Agile, waterfall, Scrum** |
| **Build Tools** | **Ant 1.10, Maven 3.3.9, Gradle 6.4.1** |
| **Web Services** | **SOAP, REST, JAX-WS, JAX-RPC, JAX-RS, SOAP UI.** |

**TECHNICAL EXPERIENCE:**

**Client: Delta Airlines, Atlanta GA**

**Jun 2021 - Till Date**

**Role: Sr. Java Full Stack Developer**

**Responsibilities:**

* Involved in Requirements gathering, Analysis, Design, Development and Testing of application using **AGILE** methodology (**SCRUM**) in a **Test-driven Development** (TDD) approach.
* Used advanced **Java8** features like **Lambda Expressions** for array operations, Collections, and enhanced concurrency methods throughout the application for well-defined Programming.
* Used **Java 8stream API** for bulk data operations on collections using both **streams** and **parallel streams**.
* Worked on a **SAFE AGILE** based methodology which brings new approaches and changes to every **PI**.
* Develop rich user interface SPA by using **Angular 10.0, Typescript, HTML, CSS 4, and material framework.**
* Improved and Rebasing the UI using **Angular 10, Angular Material, Bootstrap, and Priming**.
* Extensively used **Angular 10** to generate **components, routes, pipes, and unit tests.**
* Built **Angular 10 components**, and UI services to consume component-based rest services
* Created **Res-useable components, Custom Modules, Custom Directives, Pipes, and Services in Angular 10**
* Developed and designed the web interface using **HTML5, CSS3, JavaScript** and **Bootstrap**.
* Built the reusable service components using **Object Oriented JavaScript**, **jQuery, HTML, CSS3**.
* Experienced in **Gitlab CI and Jenkins for CICD and for End-to-End automation for all builds and CD.**
* Developed various Angular components to help build the functionality and **UI** behavior using **JavaScript**.
* Worked with **UI** designers and User experience team to define screen designs. Developed angular partials based on **UI** screens.
* Used **Redux** as a store for storing multiple states of a React component.
* Used **Redux Thunk** as a middle ware for calling the **API**s and setting the states with the JSON data.
* Actively involved in coding using **Java1.8, Spring 4.x** to develop features from end to end.
* Designed and implemented an application using **Spring Boot**, **Spring IOC**, Spring transactions, Dependency Injection, Spring Annotations**, Spring AOP**, Spring Actuator, Spring Container managed transactions, **Hibernate**, Implemented **Java EE Components** using **Spring MVC, Spring IOC** and Spring transactions.
* Used **Spring Security** for authentication and authorization of users, **Spring JDBC** for easy database operations using JDBC template, writing row mappers and **Spring Boot** easy bootstrap applications.
* Implemented the authentication and authorization of the application using **Spring Security** and **OAuth2**.
* Worked on **MongoDB** and wrote code on find, update, save, insert data.
* Worked on data extraction in loading **JSON** data from the server-side content into **MongoDB**.
* Implemented the function to send and receive AMQP messages on **Rabbit MQ** synchronously and asynchronously and send JMS message to **Apache ActiveMQ** on the edge device.
* Implemented **Zipkins** for distributed Micro Service Monitoring.
* Integrated **Swagger UI** and wrote integration test along with **REST** document.
* Developed all **REST APIs** using **Hystrix** commands and **Feign** clients for efficient fault tolerance.
* Worked with unit testing of applications using **Jest** and Spring Boot applications using **JUnit, Mockito** and performed end to end testing using **Protractor**.
* Worked on **Jenkins** for the **Continuous integration** and **Continuous Deployment**.
* Worked on **AWS** Cloud watch and **AWS ALB** for Load balancing and worked on **ELB** for the performance testing by sending 5000 requests per minute.
* Utilized **AWS** Services platform to upload data into **AWS S3** buckets and creating **EC2** instances.
* Used **GitHub** to maintain the version of the files.

**Environment: JAVA 8, J2EE, HTML5, CSS3, AWS, Agular 10, jQuery, Ajax, Rabbit MQ, JSON, Spring Boot 2, Spring Hibernate 4.0, Swagger UI, Docker, Microservices, ActiveMQ, RabbitMQ, Spring Security, OAuth2, Bootstrap, RESTful web services, Web Sphere, SonarQube, Redux, Jenkins, Agile/Scrum Methodology, Maven, JIRA, JBoss, JUnit, Mockito, Jest, Protractor, Hystrix, Zipkins, TDD, MongoDB, Git, XML,LESS, Webpack, AXIOS**

**Client: Valence Health Chicago, IL**

**Nov 2019 - May 2021**

**Role: Java/J2EE Full Stack Developer**

**Responsibilities:**

* Developed the web application based on the **Microservices architecture using Express, Angular and MongoDB data store Procedures to satisfy various business requirements of application.**
* Developed **HTML** views with **HTML5, CSS3/Sass, Twitter Bootstrap 4.0 and Angular 6.**
* Developed **custom Directives in Angular 6** to make reusable components, **custom views using Bootstrap** components and involved in configuring routing for various modules in the application.
* Implemented **Angular 6 observables** to simplify the making asynchronous calls to backend REST API’s.
* Developed **JavaScript framework** for building web applications and apps in **JavaScript, html**, and **TypeScript**, which is a superset of **JavaScript, Angular** provides built-in features for animation, http service, and materials which in turn has features such as auto-complete, navigation, toolbar, menus.
* Simplified the Angular forms mechanism using **@NgRx/store and @NgRx/effects** for better storing and state of the data while navigating between the forms in application.
* Employed the **ES6 Generators** for managing the **concurrency in Angular Components** in the application.
* Integrated user facing Angular Components with server side using RESTful webservices.
* Developing **Restful Web Services, Readable and Writable streams** to process the data from the external source of the application and to interact with the **Rest Services** and **Data bases** using **Angular 6**.
* Optimized cleaning up of session level **Data Structure's** shared across different open tabs, when data is flushed/committed from one of the tabs. Followed **mark and sweep algorithm**, to clean up tab level data up.
* Configured **mongo-connector** to create a pipeline from the **Mongo DB** cluster to keep synchronize with the multiple sources like **Elastic Search or another MongoDB cluster**.
* Developed **searchable component with Elastic Search** to provide search for an improvised customer experience.
* Implemented **Pub-Sub functionality** using **Redis as our service registry** that allows for services to subscribe to a specific channel of Redis Client instance.
* Installed a **single node Elasticsearch "cluster" to index MongoDB** for use in a Node.JS, Express on a naïve **AWS EC2 Ubuntu 14.04 instances**.
* Utilized **Redis as a primary cache** to store our frequent accessing state objects from the **MongoDB** to improvise the efficiency of data accessing.
* Bundled the application through **webpack** and used **Gulp** for task automation of minification of Angular scripts.
* Designed, built, and deployed a multitude application utilizing almost all the **AWS stack (Including EC2, MongoDB**, **Docker, Kubernetes Orchestration container (EKS)** focusing on high-availability, fault tolerance.
* Used Source Tree for **Git** (Subversion tool) and **Jenkins**, **Docker** for building the **CI/CD pipeline**.
* Implemented **Kibana for centralized logging and monitoring** that builds on **Elastic search** of the application data for analytics and visualization of the user’s login.
* Employed the **Single Sign On (SSO) authentication using CA Site Minder** for logging to the application from different cross network websites.
* Written unit test scripts using **Karma and Jasmine** for Angular framework and **Mocha** for API.

**Environment: HTML, CSS, Bootstrap, JavaScript, jQuery, Angular6, MongoDB, GIT, Jenkins. AWS Services, Elastic Cloud Compute(EC2), Gulp, Jasmine, Karma, Redis 3.0, Gulp, Webpack, Kubernetes, SSO Authentication, CA Site Minder, Jenkins, Docker, Elastic Search**.

**Client: Amex Phoenix, AZ**

**Jan 2018 - Oct 2019**

**Role: Sr. Java/J2EE Developer**

**Responsibilities:**

* Involved in **requirements gathering, analysis** and development of Yard Trash Processing Facilities, Waste tire collector & Dry Cleaner Registration submittals.
* **Developed effective web pages usingHTML5, Bootstrap, CSS3, Angular 4.0, and AJAX.**
* Strong knowledge of **Angular 4.0** practices in commonly used **modules** and creating **reusable Components, Pipes**and**Services, a**nd to develop like Single Page Application and Animations.
* Created **Single Page Application** which can data bind and synchronize with server using **Angular** framework.
* Leveraging **Angular 4.0** resources for all data access, encapsulating **URLs,** and standardizing data access.
* Accessed **REST Spring** calls in **Angular 4.0** using **custom directives,** and **custom services**.
* Used **J2EE** design patterns like **Model View Controller (MVC), Singleton, Factory, Data Access Object (DAO), Data Transfer Object (DTO)** and **Service Locator** etc.,
* Used spring framework including **spring core/IOC, Spring AOP, Spring ORM, Spring Batch, Spring Auto wiring,** and implemented the authentication, authorization, and access-control features by using **Spring Security**.
* Created and injected **spring services, controllers** and **DAO’s** to achieve **dependency injection**.
* Implemented the **RESTful** web service for utilizing these services and exposing some of the newly implemented functionalities for others through **JAX-RS** and **Spring Rest Controller**.
* **Service Oriented Architecture (SOA)** was exposed through **RESTful** web services with loose coupling between layers using spring framework during development.
* Implemented **Spring MVC RESTful** services and consumed via **HTTP** services from **Angular**.
* Used advanced **java 8** features like **Lambda expressions** for array operations, **Streams, Method reference, collections**. Enhanced concurrency methods etc. throughout the application for well-defined programming.
* Involved in writing **Thread safe blocks** for **Multithreading** access to make valid transactions.
* Configured **Identity and Access Management (IAM)** groups and users in AWS for improved login authentication.
* Deployed **Docker** contained **spring boot microservices** into **AWS EC2** container service using **AWS** admin console and used **lambda** to run applications in **AWS** console.
* Expertise with employment of **Spring Kafka** and **Zookeeper** as messaging service.
* Developed **Hibernate** with **Spring Integration** as the data abstraction to interact with the **Oracle** database.
* **Experienced HQL, Named Parameters, Named Queries, and Interfaces such as Expression, Query and Criteria for implementation of Hibernate template and extensively used Hibernate Cache.**
* Experience on **Hibernate** mappings, EH cache, Lazy loading transactions and Locking’s.
* Used **Tableau** for data visualization and for analysis.
* Used **Oracle 11g/12c** for the backend data and performed complex queries using joins for **CRUD** operations.
* Used **PL/SQL** Procedures, views, indexes, and functions to create and manage data on schemas by using **TOAD**.
* Used **IntelliJ Idea** for developing and debugging **Spring Boot** applications.
* Configured and deployed application into **Web Logic** application Server.
* **JIRA** issue tracking system has been utilized to track the issues.
* Assisted in conducting **U**AT and provided production support during and after deployment of the application.
* Developed **CI/CD** pipeline and build tasks to run the unit tests on **Jenkins** and maintained separate build in **Maven** for the module for easy integration to the portal build and configure with **Jenkins**.
* Used **Maven** as build and dependency management tool for creating **EAR, WAR and JAR** file.

**Environment: Java 1.8, Spring Boot, HTML5, JavaScript, Angular 4.0, AJAX, Tableau, Bootstrap, JSON, Hibernate 5, AWS, XML, LOG 4j 2, IntelliJ IDE, Oracle 12c, WebLogic Application server 12c, Git, Jenkins, Maven, JIRA.**

**Client: Fidelity Investments, Durham, NC**

**Nov 2015 - Dec 2017**

**Role: Java/J2EE Developer**

**Responsibilities:**

* Implemented **Agile methodologies**, actively involved in technical meetings, requirement gathering, analysis, planning, effort estimation, coding, development, and testing.
* Developed User Interface application modules using **HTML**, **CSS,** and **JavaScript, JSON, jQuery** and **AJAX**.
* **Wrote client-Side code using React.JS and used NPM & gulp directories to generate the server environments used flux with redux framework to manage targeted URL’s and to monitor the application.**
* **Used React.JS to implement rich functions in various pages: form validation, crud, grid list, search, sort, pagination, multi-selection, tags-input, advanced/custom directives, authentication, unit tests, etc.**
* **Worked with controller, service and view components in applications using Spring 3.5 framework.**
* Extensively used various modules in **Spring like AOP, DI (IOC), Bean Wiring, Spring Inheritance, Auto Wiring, Spring JDBC Templates** and **Spring Quartz Schedulers** for Jobs**.**
* **Service Oriented Architecture (SOA) was exposed through RESTful web services with loose coupling between layers using Spring framework during development.**
* **Designed and developed Microservices using REST framework and Spring Boot.**
* **Java expression tags were avoided using Bean, HTML and Logic Tags, and used display tags to render large data.**
* **Involved in developing role-based HTML navigational menu, where in menu items change dynamically based on the values derived from database in the form of XML data.**
* Experience in Creating, Dropping Indexes, Tables, Stored Process and Views on **Oracle DB**.
* Developed client applications using **JAXR** and **JAXM** to connect to the **UDDI registry.**
* Used micro-framework to implement with REST API and **Mongo DB** (NO SQL) as back-end database.
* Created JSON Data and stored as documents comprising documents, data types and conversions in **MongoDB.**
* Implemented **Elastic Bean Stalk** to auto-deploy and auto-scale applications using services such as **EC2 instances**.
* Writing Unit test cases using **JUnit** testing framework and performed unit and system testing.
* Expertise on **SoapUI**, **Selenium** Data Driven framework and integrating it with **Maven** [Build Management Tool], **TestNG** [Unit Testing tool] and **Jenkins** [Continuous Integration Tool].
* Worked with **JAXB** parser for marshalling and Un marshalling XML data.
* **Developed XPATH, XQUERY and custom XML parsers based on SAX, DOM as part of XML Consumption.**

**Environment*:* XML, XSL, Bootstrap, HTML5, JavaScript, CSS3, Ajax, ReactJs, Spring 3.5, Git, Aws, WebSphere7.5, Swing, Web Services, Liferay, JMS, SoapUI, MongoDB, TestNG, JSON, Maven, Elasticsearch, Spring Cloud Netflix, ANT, IntelliJ, Selenium, Agile, JAXR, Rest Framework, Oracle DB .**

**Client: Byte Alpha - India**

**April 2014 - Sep 2015**

**Role: Jr. Java/Software Engineer**

**Responsibilities:**

* Involved in document analysis and technical feasibility discussions for implementing new functionalities.
* Implemented the Graphic User Interface by coding in **HTML**, **CSS3, Bootstrap, JavaScript, jQuery,** and **jQuery UI.**
* Designed Single page web applications object-oriented JavaScript Framework like **Angular2.0**
* Created prototypes in **HTML, JavaScript,** and **CSS** for different UI pages.
* Experience in writing Components, **Pipes** and Services to separate concern and handle different situations by using **Angular2.0** and built **Angular2.0**framework including **MVC** architectures, different modules, specific controllers, templates, custom directives and custom filters.
* Created **Typescript** reusable components and services to consume **REST API's** using Component based architecture provided by **Angular2.0** and Performed form validations using reactive forms from **Angular2.0** framework and developed a POC **UI** application using **Angular2.0**.
* The application is designed using **J2EE design patterns** like Value Object Pattern, S**ession façade, Singleton, Factory**, **DAO,** and technologies based on **MVC** architecture.
* **Used Spring DAO module for performing CRUD operations on database and implemented logging in the application using Spring Framework AOP module to know the application status.**
* Used **Spring MVC** Model View Controller to manage/intercept the user requests and used various controllers.
* Implemented (**SOA**) to retrieve data from client side and made **REST API** calls and parsed the data to client and managed the security and Authorization using **Spring Security**.
* **Developed REST web services using Spring MVC to extract client related data from database and used SOAPUI**
* **Experienced with setting up the basic project setup from scratch using Spring-Hibernate based design.**
* Involved in writing **Thread** Safe blocks for **multithreading** access to make valid transactions.
* Developed application using **Agile** methodology and deployed the application onto **WebLogic** application server.
* Used **Cassandra** for achieving **Denormalization** through features like collections.
* **Worked on JPA as persistence layer, involving EJB annotations to synchronize with database through XML.**
* Experienced with **JIBX** binding to convert Java object to **XML** and vice-versa.
* Used **JERSEY** framework to implement the **JAX-RS (Java API for XML and RESTful Service**).
* Configured and deployed the application in **JBoss** Application Server.
* Involved in Code Review, Unit Testing and Integration Testing, **Selenium Web Driver**.

**Environment: HTML, JSF, jQuery, JavaScript, Angular2.0, Bootstrap, Rest API, Cassandra, NPM, Spring 3.x, Spring MVC, Spring Security, SVN, REST, JAX-RS, Jersey, Soap UI, Selenium Web Driver, Web services, JBoss, Agile, Java API.**