**Sai K**

**203-479-0393**

**saik58438@gmail.com**

**SUMMARY:**

* Having 8+ years of IT professional experience in all phases of software development life cycle (SDLC) including requirement Analysis, Design, Development, Kanban, Debugging, Deployment, and Testing of various Web-based and client/server N-tier applications using Java, J2EE Technologies by following Agile Software Development Methodology.
* Experience in Software Development Life Cycle (SDLC), Rational Unified Process (RUP), AGILE methodologies, and Enterprise Java Beans.
* Hands-on experience as Java Full Stack developer in various technical and functional areas of J2EE Technologies like core java, Multi-threading (Executor framework), Servlets2.1/1.2, DAO layer, REST API, SOAP, Spring core, Spring AOP, Vaadin Framework, Spring JDBC, Spring Security, JMS (Java Micro Services), Spring MVC and Hibernate (ORM)
* Experience inResponsive web design and Java API Development experience for developing partner Homepages using HTML5, CSS3, JavaScript, ReactJS, NodeJs, and JQuery.
* Implemented an express GraphQL library to mount a GraphQL API server on the user-configured HTTP endpoint.
* Developed RESTful API services that work as a middleware between our application and third-party that will be used using Golang.
* Strong experience with setting up AEM/CQ5 using Maven and standard Eclipse tools.
* Written Cloud Formation Templates (CFT) in JSON and YAML format to build the AWS services with the paradigm of infrastructure as a code.
* Experienced in building applications that works on mainly Groovy grails, Html, CSS, Rest Services, Java Script, Maven, Hibernate.
* Experience in end to end microservice API automation using Karate framework in conjunction with java and javaScript util methods/functions.
* Experience in building isomorphic applications using React.js and Redux with GraphQL on server side.
* Strong Knowledge of working with GraphQL schema, queries, and mutations to interact with MongoDB and several other data layers.
* Hands-on experience as Java Full stack developer in AWS Lambda services and in some various models like ECS, API Gateway, AWS CLI, Cloud Formation, Serverless Deployment, and Docker.
* Experience in developing OIM tools in technical and functional departments. Responsible for design, testing, coding, and documentation.
* Experience in developing User Interactive (UI) Applications and professional web applications using HTML 4.0/5, CSS3, JavaScript, AngularJS, jQuery, JSF, React JS, NodeJS, AJAX, JSON, XHTML, and XMLAngular 2+, Typescript, CSS/SASS, NodeJS, Jasmine, Protractor and Swagger.
* Experience in Web Services using SOAP, Restful, WSDL, HTML, XML, JAXB, XSD, SAX and DOM parsers working Knowledge of other programming languages like C, and Markup Languages like XML, HTML
* Hands on experience on front-end technologies such as HTML5, CSS, JavaScript, Struts tag libraries, AJAX, JSON, XML, XSLT, AngularJS, Angular6/7/11/14, jQuery, ReactJS and Bootstrap frameworks
* Experience migrating monolithic applications to micro services architecture by following design patterns.
* Designed and development multiple Java 8 Model 2 MVC-based Web Applications using Technologies and popular open-source frameworksStruts Framework, Spring MVC, Spring5/4, ORM Hibernate Framework.
* Experience working with Oracle 8i/ 9i/ 10g/ 11g, SQL/ MYSQL server, and DB2 rational database management systems in building enterprise applications using ANT and MAVEN in using continuous integration tool Cruise Control Tool.
* Expertise in Distributed and Web environments, focused in JAVA Technologies -Java collections, Threads, J2SE, JDBC, Struts, Spring, Spring Boot, and Hibernate Framework.
* Experience on DevOps tools, CI/CD and AWS Cloud Architecture in database modelling and development using NoSQL Database such as Mongo DB and Cassandra.
* Expertise in handling Cloud Computing System from Amazon Web Services and familiar with implementation of EC2 Instances and S3, especially systematic management and storage of data.
* Experience with amazon web services (AWS) and amazon cloud technologies such as Amazon EC2 (virtual servers) and Amazon Cloud Watch (monitoring).
* Worked in TDD and version management tools GitHub, and SVN.
* Hands-on experience using Selenium and Cucumber for creating Automated Test Suites and deriving functional and acceptance tests.

**EDUCATION:**

* Bachelors in Electronics and Communication Engineering from India.

**TECHNICAL SKILLS:**

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| **Programming Languages** | Java, JavaScript, Typescript, Python |
| **Software Methodologies** | Agile, Scrum, SDLC, TDD |
| **J2EETechnologies& frameworks** | JSP, JSTL, Servlets, JDBC, Java Beans, SOAP, WSDL, Axis, Java Security, JBPM |
| **Web service Frameworks** | Spring, Hibernate, JPA, Spring MVC, Spring WebFlow, JavaFX, Vaadin, Spring IOC, Spring AOP, AspectJ, Spring DAO, Spring Batch, Spring Integration, JSF, JUnit, SOAP UI, Spring JPA, Spring Web, Spring REST |
| **Web Services** | SOAP, RESTful, Oracle SOA, WSDL UDDI |
| **AWS** | EC2, RDS, S3, ELB, Cloud Watch, Cloud Formation Template, RDS, VPC, Auto Scaling, IAM, Terraform |
| **Design Patterns** | Singleton, Factory, Business Delegate, Data Transfer Object, Façade, Data Access Object, MVC. |
| **Tools** | Dockers and GitHub, Jenkins, Maven, Gradle, Log4J, Apache Ant, Apache Maven, CFT |
| **Web & JavaScript Technologies** | JavaScript, HTML5/HTML, CSS3, SCSS, Angular6,7,8,11,14 Ajax, React JS, GraphQL, Groovy, Golang. |
| **IDEs** | Eclipse(Neon, Oxygen, Kepler, Luna, Indigo, Juno)), Net Beans, IntelliJ, Spring Tool Suite, RAD 9.0, JBPM 6 |
| **Application/Web Servers** | Web Logic Server 12c, Web Sphere Application Server 8.5, Apache Tomcat (8.5/8.0), Apache HTTP Server, IBM WebSphere(7.0,6.0). |
| **Databases** | Oracle(9i/10g/11g/12c), SQL Server (14.0), DB2, MySQL, Postgres SQL, Mongo DB, Cassandra |
| **Build Scripts** | Maven, Ant, and Jenkins |
| **Testing Tools** | JUnit, Log4J, Mock Framework, Cucumber, Selenium |
| **Version Control Tools** | CVS, SVN, GIT, CM SYNERGY, Bit Bucket, Git Bash |
| **Operating Systems** | Windows, Linux, Unix, Mac OS |

**PROFESSIONAL EXPERIENCE:**

**Client: Webster Bank**

**Location: Stamford, CT**

**Role: Sr. Full Stack Java Developer Nov 2022 to Till Date**

**Responsibilities:**

* Software Development Life Cycle (SDLC) which includes development, design, analysis, testing and Integration of various web based and client/server applications in multi-platform environments with Java/J2EE technologies.
* Implemented an express-GraphQL library to mount a GraphQL API server on the user-configured HTTP endpoint.
* Involved inResponsive Web Design for developing the partner Homepages using HTML5, CSS3, JavaScript, ReactJS, NodeJs, and JQuery.
* Used slightly templating language for implementing AEM Components
* Involved in using NoSQL (MongoDB) data models document, key-value & wide column or graph model.
* Involved in building applications that works on mainly Groovy grails, Html, CSS, Rest Services, Java Script, Maven, Hibernate.
* Developed RESTful API services that work as a middleware between our application and third-party that will be used using Golang.
* Designed selenium Python and Karate BDD framework for validating containerized web services (Rest API)
* Integrated JQuery, Angular JS Framework with AEM.
* Written Cloud Formation Templates (CFT) in JSON and YAML format to build the AWS services with the paradigm of infrastructure as a code.
* Involved in CI/CD process using GIT, Jenkins job creation, Maven build CreatingDocker image, and deployment in Kubernetes.
* Involved in designing the user experience interface UI/UX strategy, UI requirements, converting findings into UI designs.
* Leveraged MVC design pattern to organize Angular controllers, Custom directives, factories and views.
* Worked on the REST/Web API to create the services and tested on postman and used in Angular $HTTP service calls and bind the data in the table using ng-repeat attributes.
* Involved in AWS Lambda services and in various models like ECS, API Gateway, AWS CLI, Cloud Formation, Serverless Deployment, and Docker.
* Involved in developing OIM tools in technical and functional departments. Responsible for design, testing, coding, and documentation.
* Carried out the responsibility of delivering the tasks including database scripts, source code, and any other documents as and when required through GitHub.
* Involved in building MVC Frameworks and experience in SOA by creating web services with Rest.
* Used REST API, and HTTP requests and implemented JSON format for data exchange for communication of Microservices with one another.
* Expertise in spring framework extensively used Spring 5.0, Spring Batch, Spring AOP, Spring JDBC templates, multi-threading, and working with SOAP &REST Web Services.
* Implemented Swagger Configuration in Spring MVC for auto-generating swagger JSON files for RESTAPI calls.
* Worked with Docker and Kubernetes on multiple cloud providers, from helping developers build and containerize their application (CI/CD) to deploying cloud. Used Swagger to interact with API end points of the Microservices.
* Extensively used Hibernate concepts such as inheritance, lazy loading, dirty checking, locking and transactions the search functionality for Internal Application using AngularJS and NodeJS.
* Used microservice architecture, with Spring Boot-based services interacting through a combination of REST and Apache Kafka endpoints.
* Used Grafana as a monitoring tool for Spring Boot and Adobe Analytics for ReactJS unit Test the implemented changes as per test cases, debug the implemented code, integrate the changes in Testing Environment, fix reported bugs of already implemented changes.
* Worked on Job scheduling, batch-job scheduling and process control, forking and cloning of jobs and checking the status of the jobs using Shell Scripting.
* Strong experience with MongoDB development (reports, schema design, map reduce functions) and migrations from SQL relational databases to NoSQL databases like MongoDB.
* Involved extensively in Code Reviews, Unit testing and Process Improvements.

**Environment:** Java 8, J2EE, Servlets, JSP, JDBC, Spring5.0, Spring MVC, Hibernate, SOAP, AngularJS, Angular7, Microservices, Spring Boot, REST, REST API, Docker, AWS, Maven, HTML, CI/CD, Kafka, MongoDB, GraphQL, XML, PCF, Jenkins, SQL, PL/SQL, SQL Developer, Junit.

**Client: InterDigital**

**Location: Wilmington, DE**

**Role: Sr. Java / J2EE Developer Jan 2020 to Oct 2022**

**Responsibilities:**

* Involved in the development using Agile Development process to gather and analyze the requirements of the Application.
* Extensive experience with core java technologies in Multi-Threading, Synchronization and Exception Handling to gather various servers in parallel.
* Developed Spring Bean Classes (Service Classes) for implementing Business logic and configured beans to manage bean lifecycle using annotations and xml-based configuration.
* Implemented the application using Spring Boot and handled the authorization, authentication features by using Spring Security.
* Used Spring MVC module to write REST controllers, map URL's for the request and present with different views for different use cases.
* Created the Campaigns and Segments in AEM for every region and assigned the campaigns to the segments.
* Used SpringFramework AOP Module to implement the logging in the application to know the application status.
* Used Spring MVC module to develop MVC Architecture. Integrated the application with Spring-MVC using Spring Boot, Spring Dependency Injection (DI), and Spring Annotations.
* Implemented the persistence layer using Hibernate-ORM worked on Spring Web Flow on Spring MVC for building flows in our web application.
* Microservices have been built using Spring boot, Spring security and deployed to AWS cloud.
* Used Jersey to implement Restful Web Service and used JSON form to transfer the data.
* Used SOAP based Web services and RESTful Web services for transferring data between applications.
* Implemented various Java design patterns and optimized application software using efficient data structures.
* Designed web pages using HTML5, CSS3, JavaScript, React.js, Redux, React-Bootstrap, Node.js, express.js, and Mongo DB.
* Utilized the Spring Data Framework to leverage the features of Spring JDBC and Spring ORM classes, such as JDBC Template and Hibernate Template, for efficient database operations.
* Implemented Spring MVC Transaction Management, Spring/Hibernate Batch Transactions, and incorporated Hibernate cache concepts.
* Used AngularJS to create views, connecting models to the DOM, and synchronizing data with the server as a Single Page Application (SPA).
* Used AEM Developer tools plug-in for exporting and importing content to and from AEM Repository.
* Practiced Agile (Scrum) methodologies, participating in sprint planning, daily stand-up meetings, and sprint retrospective meetings to deliver high-quality solutions within deadlines.
* Worked in an Agile Scrum environment and employed a Kanban board to track progress.
* Utilized Kafka for implementing Publish/Subscribe patterns in applications involving messaging.
* Worked on Maven as a build tool and wrote the dependencies for the jars that need to be migrated.
* Implemented Restful Web Services to retrieve data from client side using Micro Services architecture.
* Performed CRUD operations like Update, Insert, and Delete the data in NoSQL database MongoDB.
* Involved in writing java API for Amazon Lambda to manage some of the AWS services. Used AWS S3 to store the data and to retrieve the stored date very quickly and Elastic Search for searching the document.
* Used AWS SNS to send messages to multiple users and delivered in an algorithmic way using AWS SQS.
* Worked on AWS Elastic load balancing for deploying applications in high availability.

**Environment:** Java, Core Java, Spring boot, Spring Security, AWS, EC2, JUnit, API Management, Agile, Spring, JavaScript, Webservices, Oracle, Maven, JMS, Jenkins, GIT, Log4j, RESTful.

**Client: BancFirst**

**Location: Oklahoma City, OK**

**Role: Java / J2EE Developer Mar 2019 to Dec 2019**

**Responsibilities:**

* Involved in analysis, specification, designimplementation, and testing phases of Software Development Life Cycle (SDLC) for developing applications.
* Developed/Implemented code on new requirements as a developer using Spring MVC and Hibernate by using Safe Agile Methodology where there is a daily SCRUM meeting to understand the status and resolve any issues.
* Developed the GUI Web Interface using Angular 8, Typescript, RXJs, Node, Bootstrap 4, jQuery, and HTML 5.
* Involved in building application that works on mainly Groovy grails, Html, CSS, Rest Services, Java Script, Maven, Hibernate.
* Develop the reusable components, pipes, services, and different feature modules, routes using Angular 8.
* Written Cloud Formation Templates (CFT) in JSON and YAML format to build the AWS services with the paradigm of infrastructure as a code.
* Developed Use Case Diagrams, Object Mapping Diagrams&Class Diagrams in UML.
* Transforming complex business requirements from the customer into development plan by using objects like Stored Procedures, Functions, and triggers to support Agile development.
* Designed and developed the End Points (Controllers), Business Layer, DAO Layer using Hibernate/JDBC template, using Spring IOC (Dependency Injection).
* Used Java-J2EE patterns like Model View Controller (MVC), Business Delegate, Data Transfer Objects, Data Access Objects, and factory patterns.
* Used Spring Framework AOP Module to implement logging in the application to know the application status.
* Implemented the application using Spring IOC, Spring MVC Framework, Spring Batch, and Spring Boot and handled the security using Spring Security.
* Developed REST Microservices and service endpoints using Spring boot.
* Used Map Struct for java object mappings between JPA Entities and DTO for the Spring REST API.
* Integrated Swagger UI and wrote integration test along with REST document.
* Used Rest API client POSTMAN for testing web services request and response.
* Consumed the developed Web services in Angular application.
* Used Maven as a building tool, and Splunk for centralized logging. Used Jenkins for Microservices deployment.

**Environment:** J2EE, JSP, JavaScript, JDK 1.6, UML, Eclipse, Oracle, Amazon API Gateway, AWS Lambda, S3 Bucket, AWS IAM, Angular 6, WebSphere, SOAP, SOA, Spring 3.0, Spring Boot, Spring MVC, Hibernate, Map Struct, RESTful, Postman, XML, CSS, HTML, JMockit, Junit 4.4, SVN, Log4j, Oracle10g, Jenkins, Ant 1.8, Maven, Swagger, Splunk, WinSCP.

**Client: FM Global**

**Location: Johnston, RI**

**Role: Java Developer Oct 2017 to Feb 2019**

**Responsibilities:**

* Analyzed application requirements and problems on the client side and worked in Angular and Bootstrap using JavaScript, TypeScript, HTML and CSS respectively.
* Planned solutions and developed web applications along with team members through hands-on coding and solved relevant problems and errors.
* Involved in building applications that works on mainly Groovy grails, Html, CSS, Rest Services, Java Script, Maven, Hibernate.
* Participated in meetings and shared ideas on upgrading and updating projects through advancing technologies.
* Written Cloud Formation Templates (CFT) in JSON and YAML format to build the AWS services with the paradigm of infrastructure as a code.
* Practiced Java features such as Lambda Expressions and Functional Interfaces to make work more efficient and faster.
* Developed and tested multiple web applications using Rest API and annotations by combining Spring framework, Postman and MySQL database.
* Performed debugging, worked on multithreading, handled various exceptions and security issues in the process of development and deployment.
* Worked in tasks related to Object-Oriented Programming and Object-Relational Mapping by implementation of MVC and architecture.
* Worked for load balancing and parallelism in messaging systems between consumer instances and producers in the Kafka cluster by using Kafka.
* Committed the source code in GitHub and passed through Jenkins to check validity of code for deployment.
* Searched errors and bugs in architecture of CI-CD and used Docker commands to develop necessary Dockerfiles.
* Built Docker images and Docker containers for configuration and verification of applications in accordance with Jenkins Scripts.
* Carried out testing of codes and applications and understood the path and behavior of components in the system.
* Managed lifecycle of applications and documented possible problems and solutions for future references.
* Designed and implemented features of various code within team members for validation of programs using SonarQube.

**Environment:** HTML, CSS, Bootstrap, JavaScript ES, Typescript 3.0, Angular 7 and 8, Java 8, JPA Hibernate 5, Spring (Data JPA, Boot, Security, AOP, Core), Maven, REST API/Web Services, Micro Services, Messaging Services, Kafka, GitHub, Jenkins, Dockers, Docker Hub, SonarQube, Jira, Eclipse 3.6, IntelliJ.

**Client: Cybrain Software**

**Location: India**

**Role: Software Engineer Aug 2015 to Sep 2017**

**Responsibilities:**

* Designed and developed the application using Waterfall Methodology and followed Scrum.
* Designed and developed the project using MVC design pattern.
* Planned and Designed request and response schemas on the client side and server side.
* Developed architecture and programs for efficient service on client side and hand in practice on JavaScript, XML, XSL and JSP.
* Developed web-based applications using Java/J2EE, Servlets, Struts, Spring IOC, Spring MVC, Spring AOP, Spring Security, Spring Boot, Spring Web Flow, Spring Data, JDBC, Web Services (SOAP & Restful services) and ORM frameworks like Hibernate.
* Developed single-page web applications and provided synchronization to various parts of web apps using JavaScript library
* Designed various modules using technologies like CSS Media Queries, HTML5, AJAX, JSON, and JavaScript.
* Created documentation for all the components which is included in the React-Bootstrap page.
* Written maps reduce programs to load data into the MongoDB environment.
* Worked on application development for server side using Servlets, JSP, JDBC, WSDL, Java, SOAP Web services, ANT and AJAX.
* Expertise in frameworks and tools such as Struts, Eclipse, JMS, Jersey and JBOSS to build modules.
* Practiced SOAP Web services, IBM WebSphere, Apache CXF, BEA WebLogic and JMS to develop asynchronous communication applications.
* Involved in building web applications for routing, firewall, callback security and session service using SOAP, XML and WSDL.
* Helpful colleagues and comfortable environment, thus learnt quickly and involved as team player for major projects.
* Involved in bug and error fixing and exception handling and documented solutions to problems for future reference.

**Environment:** Java, Spring Data JPA, Servlets, JSP, JDBC, Spring Boot, Spring AOP, Spring Core, Maven, REST API/Web Services, Messaging Services, Kafka, GitHub, SonarQube, Jira, Eclipse