**Sudheer Kumar**

**Sr. Full stack Java developer**

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**SUMMARY:**

* **10+ years** of experience in all stages of Software development life cycle (SDLC) starting from gathering Business specifications, analysis, design, development, testing, and implementation of projects using various methodologies like Waterfall, Agile, Scrum.
* **Expertise in Java development** and deployment on **WebLogic, Tomcat, and Websphere**
* Development experience with **Drools and JVM**
* Streaming experience with **Flink/Flume, Apache Spark, and Kafka Streams**
* Expertise in Developing applications using **PrimeFaces and GraphQL**
* Developing **Apigee API** using Java, **Java Script, and Linux/OpenShift environment**
* Kafka integration with Java
* Expertise in Developing applications using **JavaScript, Vue.js, and AngularJS.**
* Developing front-end solutions using **Angular 7/8/9/10, TypeScript, and HTML/CSS.**
* Develop and maintain scalable, high-performance backend systems using **Node.js** and related technologies such as **Express.js, Nest.js.**
* Proficient in building web applications using **React.js** and related libraries such as **Redux, React Router, and Material UI.**
* Expertise in Developing **microservices** using **Java and Spring Boot/Spring Security/Spring Cloud Components.**
* Expertise in Developing applications using RDBMS (Oracle) and **Grafana, Terraform.**
* Expertise in Developing infrastructure using Expertise in Developing applications on AWS cloud environment using **Lambda, S3, Dynamo DB, API Gateway, AWS Step Function, and SQS.**
* Expertise in Developing applications on **AWS EKS, AWS ECS, Lambda, Aurora PostgreSQL, Dynamo DB, S3, IAM, Route 53, ELB, SNS, SQS, Apache Kafka, Cloud Watch, and Terraform Scripting.**
* Expertise in Developing applications using **Auth frameworks, Cassandra, Kubernetes, Elastic Load Balancing,** and Horizontal auto scaling.
* Monitoring and debugging applications using **Splunk, Nagios, and App Dynamics.**
* Expertise in Developing applications on **Azure cloud** environment, **Kubernetes, Mesos, and Docker.**
* Implementing **CI/CD pipelines for Java** applications.
* Developing applications using **Python, PL/SQL, and SQL.**
* Expertise in Developing applications using **MongoDB, DynamoDB, and Cassandra**
* Developing applications using **Fuse/Apache Camel** for integration purposes
* Expertise in Developing applications using J2EE and web services (**Java, XML, jQuery JavaScript, HTML, OOA and OOD Concepts**), middleware technologies (**SpringBoot, WebLogic, Apache, Tomcat, JBoss**), and **ESB/SOA/BPM/Mulesoft.**
* Expertise in Using DevOps toolchain (**Jenkins, Artifactory, Ansible/Chef/Puppet/Spinnaker, Maven/Gradle, Groovy DSL, Atlassian Tool suite**).
* Managing **API using Apigee** and Service **Mesh using Istio.**
* Developing applications using Java Servlets, JMS, EJB, scripting languages, Unix, Python, PHP, SQL, Git, HTML, CSS, and JSON
* Testing applications using **JMeter, Postman, and gRPC APIs**
* Expertise in Developing applications using **Scala and Akka, Groovy, PCF (Cloud Foundry), OpenStack and OpenSearch, CloudWatch, Camunda for BPMN processes.**

**Technical Skills:**

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| **Languages** | Core Java, Java 1.x to 1.8, Groovy, SQL, PL/SQL, JavaScript, TypeScript, Python, Shell Script |
| **Databases** | PostgreSQL, MySQL, MS SQL Server, MongoDB |
| **Enterprise Java** | JSP, Servlet2.x, EJB 3.0/2.0, JNDI, JMS, Groovy, JDBC2.0/3.0, Log4J API, MDB, Angular, Node, Reach |
| **Web Technologies** | HTML, JavaScript, Typescript, Angular, React, CSS/SCSS, JQuery, XML/XAML |
| **Web Services** | JAX-WS, JAX-RPC, JAX-RS, Apache CXF, Axios. |
| **Cloud Services** | AWS (EC2, Lambda, S3, SNS, CloudWatch, Cloud Formation Template, RDS, VPC, Auto Scaling, IAM), PCF, Docker |
| **Databases** | Oracle 12 /11g, SQL Server 2016, Mongo DB, MySQL, IBM DB2 and PL/SQL procedures,Cassandra, MongoDB, PostgreSQL, Amazon RDS |
| **Scripting tools** | HTML, JavaScript, CSS, XML, JSP, Servlets, JQuery |
| **Mark-up/XML Technologies**  | HTML, HTML5, XHTML, JavaScript, CSS, AppML, XML, XSD, XSL/XSLT, SAX/DOM, AJAX, JQuery, JSON, Xpath and XLink |
| **Tools & Framework** | Angular 4/6/7/9/10,Struts, Spring 4.x, Hibernate4/3, JPA, Spring MVC, Spring WebFlow, Spring WebFlux, JavaFX, Spring IOC, Spring AOP, AspectJ Introspection, Spring DAO, Spring Batch, Spring Integration, JPA, JSF, Log4J, Junit, SOAP UI, Gradle, Apache Ant and Apache Maven, Splunk, Grafana, Kafka, Rabbit |
| **IDE & Other Tools** | VMWare, Eclipse, Visual Studio, winSCP, Putty, SSH Secure Shell Client, MS Office |
| **Development Tools** | Eclipse, My Eclipse 6.x/8.x, Netbeans IDE, IBM Web Sphere Rational Architect 7, Visual Studio Code, Jetbrains |
| **Operating Systems** | Linux, Unix, Windows 10/8/7/XP/95, MacOS |
| **Testing** | Junit, Mockito, Power Mock, Test NG, Karma, Protractor, Selenium, Cucumber, Mocha, Jasmine |
| **Application Servers** | Tomcat, Nginx, Web Logic, Jboss, Web Sphere |
| **Build Tools** | ANT, Maven, Gradle, NPM, Grunt, Gulp, Bower, Jenkins, Web pack. |
| **Version Control** | GIT, Bitbucket, SourceTree, CVS, Tortoise SVN |

**Educations:**

* Master’s degree in computer science, May 2022, Auburn University at Montgomery, Alabama, United States of America.
* Bachelors in Electronics and Telecommunications, May 2012, Jawaharlal Nehru Technological University, Hyderabad, Telangana, India.

**Professional Experience:**

**Client: Kaiser Permanente, Remote Nov 2022 – present**

**Role: Sr Java Full Stack Developer**

**Project Description:** Developed a real-time monitoring and alerting system using Kafka, JMS, and Spring WebFlux. The system will track the status of critical systems, such as databases and web servers, and send alerts when issues are detected. The application will be deployed on OpenShift, and the user interface will be built using Angular 7/9.

**Responsibilities:**

* Developing **RESTful APIs** and **microservices** using Java frameworks and Spring Boot, hosted on AWS.
* Implementing UI designs using technologies like **HTML5, CSS3,** and various JavaScript frameworks, ensuring dynamic, responsive web applications.
* Creating and managing database schemas with NoSQL databases and integrating services using Spring Security and OAuth2.
* Building and maintaining continuous integration and deployment pipelines with tools like Jenkins and Maven.
* Actively participating in **Agile/Scrum processes,** including sprint planning and reviews.
* Implementing automation and monitoring solutions using technologies like **Kafka, Splunk,** and **Terraform.**
* Ensuring application quality through extensive testing using tools like **Selenium, Cucumber**, and **JUnit.**
* Utilizing JPA and **Hibernate ORM** for complex CRUD operations, integrating with **Spring** 4.x for robust backend architecture.
* Architecting MicroServices with Spring Boot, optimizing for Java/J2EE performance on AWS.
* Crafting advanced Splunk dashboards, leveraging Splunk REST API for custom logging and metrics analysis.
* Implementing token-based Server-to-Server Authentication for secure access to remote REST APIs.
* Developing Scala-based **microservices** with **Akka** Actors and **Akka-Http,** optimizing for high traffic and concurrency.
* Integrating Kafka and Spark Streaming for real-time data analytics and ETL processes, including Spark SQL jobs for data aggregation and ingestion into **Hive**, **HBase,** and **Cassandra**.
* Designing and executing complex data pipelines using **Flink** and Flume, integrated with Hadoop, Kafka, and Cassandra ecosystems.
* Implementing automated environment deployment and monitoring processes using **Terraform, Grafana**, and **InfluxDB**.
* Collaborating on API documentation using Swagger/**OpenAPI** and developing automated testing suites with Selenium and Cucumber.

**Environment**: Java 11, J2EE, Servlets ,Kafka, JMS, Vue.js, Hibernate, Terraform , Spring, Spring Boot 2.4, Spring REST, Spring Security (OAuth2), Spring Web, Spring WebFlux, Spring JPA, AWS, Heroku, OpenShift, REST, UML, HTML, Bootstrap, JavaScript, jQuery, Angular 7/9, Log4J, Oracle, PL/SQL, JUnit, JNDI, JIRA, Cucumber, Postman, Kafka, Kafka Streams , Kubernetes, Drools , Grafana , AWS Services, Oracle DB, Mongo DB, GIT, Gradle, Jenkins, Selenium, Heroku, Rabbit MQ, Active MQ, Splunk.

**Client: Bank of America, Pennington NJ Aug 2021 – Oct 2022**

**Role: Full Stack Java Developer**

**Project Description:** Developed a customer relationship management system using Spring Boot, Spring Web, and Spring Security with bearer token authentication mechanism using OAuth2.0 and JWT. Implement RESTful web services to manage customer data and integrate with Azure DevOps for CI/CD pipelines. Used AngularJS for the frontend and Azure search and SQL query optimization for application performance.

**Responsibilities:**

* Developed scalable and secure microservices using Spring Boot and **Java 11**, hosted on **AWS.**
* Implemented REST APIs and batch processing using Spring Batch for efficient data handling.
* Integrated Elasticsearch for advanced data searching and indexing.
* Managed frontend development using **TypeScript, ES6, Vue.js, Angular, and React JS,** focusing on responsive and user-friendly UI.
* Worked on CI/CD pipelines, containerization with Docker, and orchestration with Kubernetes.
* Designed and implemented database schemas in NoSQL databases like Cassandra and DynamoDB.
* Collaborated on application monitoring using tools like **Splunk and Grafana,** and automated routine tasks with Python scripts.
* Ensured robust application security with **OAuth2, JWT, and Spring Security.**
* Managed cloud deployments and infrastructure automation using **Azure services and Terraform.**
* Architecting web applications with MVC architecture, integrating JPA, Hibernate ORM, and **Spring 4.x** framework for CRUD operations.
* Developing scalable and secure **microservices** using Spring Boot and **Java 11, hosted on AWS.**
* Implementing efficient **REST APIs** and batch processing with Spring Batch.
* Integrating Elasticsearch for advanced data searching and indexing.
* Collaborating with DevOps for deployability and maintainability on Azure Cloud Services.
* Developing front-end interfaces using **TypeScript, ES6, Vue.js, Angular, and React JS.**
* Managing application state with Redux and optimizing data fetching with **GraphQL.**
* Implementing gRPC services for inter-service communication.
* Automating tasks with Python scripts and managing database connections with **Spring JPA, Hibernate, and Hikari.**
* Designing **CI/CD pipelines using Jenkins** and containerization with Docker and Kubernetes.
* Implementing Terraform for infrastructure automation and managing Kafka Streams in production.
* Developing and maintaining business logic with Entity Beans and database interaction using Hibernate Query Language (HQL).
* Ensuring robust application monitoring and performance using Azure Monitor.
* Contributing to **CI/CD pipelines for Kubernetes** and deploying applications using Docker.
* Implementing **OAuth2 for security and Swagger for API documentation.**

**Environment:** JDK 11/ 1.8 , React JS, Redux , Azure ,AngularJS Terraform , GraphQL , Python , Typescript , Angular 9/7, J2EE, HTML5 , CSS3, JDBC, JMS, XHTML, Spring MVC, Spring Boot, Spring Web, Bootstrap, Ajax, Agile Scrum, Eclipse/Intelli J,Oracle, Kafka, Kafka Streams , Junit, Console, SQL, Log4J, CSS, Jscript, REST, AWS and SOAP Protocols, MySQL, MS Office, MS outlook, MS Teams, JIRA, Github, Kubernetes, RESTful Web Services System Development Lifecycle Management (SDLC).

**Client: Iconic IT Consulting Services, U.A.E Mar 2019 – Jun 2020**

**Role: Java Fullstack Developer**

**Project Description:** Implementation of a microservices-based architecture for a legacy Spring MVC application stack hosted on the WebSphere environment. The microservices will be developed using Spring Boot and integrated using Oracle SOA Suite/BPEL/Fusion Middleware, web methods, Vitria, and Apache CAMEL.

**Responsibilities:**

* Design and develop the front-end user interface using **Angular JS, Angular 8, Vue js,** and ensure that it is user-friendly and accessible.
* Design and implement middleware solutions using **WebLogic**, such as message queues, service-oriented architecture, and event-driven architecture.
* Develop the server-side logic using Java with **EJB, BPM, and Mulesoft** for integration, and **Apache Camel** , IBM **WebSphere MQ for message brokering.**
* Develop and run automated tests to ensure that the system functions correctly and meets the requirements, including unit tests, integration tests, and end-to-end tests.
* Deploy the system to **Truist Financial’s IBM WebSphere Portal or IBM WebSphere Commerce system**, and to **AWS cloud** services for scalability, reliability, and security.
* Design and implement an event-driven, distributed system using **Akka**
* Write actors in **Akka** that interact with the **Grails web application.**
* Use Akka to handle concurrency and parallelism in the system.
* Implement message-passing protocols between actors and the Grails web application to ensure reliable communication.
* Configure security settings in **WebLogic**, including setting up user accounts and roles, configuring SSL, and enabling encryption for data in transit.
* Used **Groovy** and **Grails** to develop the web application's business logic and user interface.
* Integrated Grails with Akka to handle requests and responses from the actors in the system.
* Optimize the system's performance and throughput by using **Akka's built**-in tools and features.
* Implement security features such as authentication and authorization in the **Grails web** application.
* Involved in designing and developing the application’s front end using **JSP, J2EE, JSTL, HTML, CSS,** and **Angular 4** made client validations using JavaScript.
* Extensively used Action, Dispatch Action, Action Forms, Struts Tag libraries, and Struts Configuration from Struts Framework.
* Configured the xml files for **Spring Security** injection to ensure the back-end security by discriminating the role of users as well as access authority for the URIs and Server-side assets.
* Have Written **Groovy** Scripts that make use of Java libraries and classes already implemented.
* Implemented object/relational persistence (Hibernate) for the domain model
* Implemented the Web services and associated business modules integration.
* Designed the front-end screens using **AngularJS, HTML5, CSS3, JavaScript, JQuery, Bootstrap and Spring Boot**.
* Developed the Grid used in the system using Slickgrid and created custom grid directives to make the component reusable.
* Used various **Angular UI Bootstrap** components such as calendars, masks, uploaders, sliders, alerts, modal dialogs, etc. for developing the UI.
* Took part in setting up the routing configuration using Angular UI router for various views and sub-views.
* Configured Gulp to perform various UI build and test-related tasks and used NodeJS NPM and Bower to manage the dependencies
* Developed **PLSQL** procedures and functions.
* Developed Angular services making use of resource service to perform REST API calls to the backend.
* Worked on generating the classes for **SOAP** and **RESTful** web services using **Apache CXF**.
* Involved in the development of various **Spring Boot-based** **Microservices** and supported legacy Spring MVC application stack which was hosted on WebSphere environment.
* Developed and implemented the MVC Architectural Pattern using **Spring MVC Framework**.
* Used Integration tools Oracle SOA Suite/BPEL/Fusion Middleware, web methods, Vitria and **Apache CAMEL.**
* Made use of a **Data Access Object** **(DAO)** design pattern for designing the data access layer.
* Have Restructured Entity Relationship schema, based on criteria Created for the optimization of the schema and simplification.
* Used **Spring IOC, and AOP** for creating beans and transaction management.
* Configured WebSphere resources like JDBC providers, JDBC data sources, and connection pooling.
* Used SQL and **PL/SQL** Programming extensively to talk to Oracle database.
* **JUnit** Frameworks were used for performing unit and integration testing by writing test cases.
* Wrote JUnit test cases for unit, integration, and functional tests, run automatically by Jenkins in the builds triggered by each push to Git.
* Followed **Agile** and **Scrum** methodology as project methodology. Used **JIRA** for tasks and issue tracking.

**Environment:** Java, JSP, Flink , Flume.Angular 2/4/8, Servlets, J2EE, Struts, HTML, JDBC, Hibernate, Spring MVC, JBoss, Groovy, Log4j, WebLogic, JUnit, Annotation, JQuery, SOAP and RESTful Web Services, Apache CXF, Oracle, Eclipse, Tomcat, Agile development process.

**Client: Wipro Limited, Jaipur, India Aug 2018 – Mar 2019**

**Role: Java Fullstack Developer**

**Project Description:** Developed a BPMN workflow management system using Camunda that would enable effective drug development process management. The system should provide a visual representation of the entire drug development process, its current status, and the next steps to be taken.

**Responsibilities:**

* Worked on complete Software Life Cycle Development (SDLC) process which incorporates Requirement Gathering, Analysis, Designing, Developing, Testing, Implementing, and Documenting the whole life cycle utilizing different approaches like **Waterfall, Agile, Scrum, Test-Driven improvement.**
* Developed application and integrate with **WebSphere**, using Java EE technologies such as servlets, JSPs, and EJBs.
* Integrated **WebSphere** with databases, such as Oracle or DB2, and perform tasks such as configuring data sources and JDBC drivers.
* Design, develop and test **BPMN** (Business Process Model and Notation) workflows and DMN (Decision Model and Notation) decision tables using Camunda Modeler.
* Configure the **Camunda engine**, including database settings, user authentication, and authorization settings.
* Implement custom Java classes and scripts to **extend Camunda** functionality.
* Used **Apache AXIS** on Eclipse Web Tools platform for developing and creating the Web Services. Integrated with Spring **IOC** while implementing **Web services**.
* Created **Node.js Express** server combined with **Socket.io** to build **MVC framework** from **Angular JS Front End** to **MongoDB Back End** to provide chatting service.
* Involved in developing object-oriented Java script and experienced with **AJAX, JQuery, HTML5, Angular, Node J**S and **CSS**.
* Implemented database connectivity using **Spring JDBC** framework to work upon different modules.
* Architected the front end solution using **React** and **GraphQL**.
* Implemented rich user experience with frontend technologies like **Node.js**, **HTML5**, **CSS3, Bootstrap library**.
* Worked with **Node JS and npm** modules like http, q path, **mongo DB,** express and templating engines.
* Involved in development of various **Spring Boot** based Microservices and supported legacy Spring MVC application stack which was hosted on WebSphere environment.
* We hosted all our microservices in AWS Cloud infrastructures using **Jenkins CI CD** pipeline.
* Developed and maintained swagger documentation for all the **Restful web services**.
* Responsible for maintaining and expanding **AWS** (Cloud Services) infrastructure, developed various Cloud Formation templated (CFT’s) to maintain various stacks on **AWS**.
* Involved in writing of multiple responsive web applications (client side) using **Angular** **Framework**.
* Experienced in MEAN stack **Mongo DB, Express, Node** and **Angular 6**.
* Worked on sending and receiving messages to **Kafka** using spring cients.
* Enhanced legacy application by building new components in **Angular 2** and **typescript**.
* Developed single page applications using **Angular 2, TypeScript, webpack and Grunt**.
* Constant indulging and coherent working with concepts of **Python** and AWS cloud formation templates.
* Created Typescript reusable components and services to consume REST API's using Component based architecture provided by **Angular 8.**
* Involved in writing of multiple batch jobs using Spring Batch frame work where we configured both annotation/xml beans to support various business functionalities.
* Involved in various tasks in support of coding and creating web pages using JavaScript/HTML, JavaScript, JSP.
* Write and execute unit tests to validate **Camunda** workflows and decision tables.
* Troubleshoot and debug issues in **Camunda workflows.**
* Involved in writing of test cases using Junit and Mockito frame work and maintained a branch coverage above 80% which is a mandatory requirement.
* Used **Hibernate 3.0** in data access layer to access and update information in database.
* Used Hibernate as ORM mapping tool and worked with Hibernate query language(**HQL**).
* Integrated spring with Hibernate and made as Spring bean using Hibernate Template.
* Followed Acceptance Test Driven Development with the help of Cucumber framework where we automated the test execution of each feature we developed.
* Have Experience in using **Github** repository to run the **Jenkins** job for Continues Integration while developing the applications and posting them in GIT.
* Extensive use of **Docker** for developing test cases and performed unit and integration, tested by using **JUnit**.
* Used **UNIX** shell scripts for implementing daily jobs.
* Involved in raising questions for business, getting answers from them, bug fixing, and tracking is done by **JIRA** and have provided solutions using and implementing AWS.
* Good knowledge of **Change Streams** associated with the MongoDB 3.6 for handling the changes in the data.
* Ability to work under pressure, easily adaptable and Self-motivate.

**Environment:** JDK 1.8, WebSphere , BPMN, Camunda, Spring, java 1.8, AWS, JPA, Java Script, TypeScript, JQuery, Node.js, Kafka, HTML5, CSS3, GIT Hub, JSON, Angular 2/4/8, React, GraphQL, Groovy, DB2, Gradle, Junit, EasyMock, MongoDB, Jenkins, maven, Cloud Services, log4j, Jasmine, Selenium, HttpUnit, SoapUI, EclEmma, Sonar, JQueryUI.

**Client: Tata Consultancy Services, Gurgaon, Delhi, India Aug 2012 – Jul 2018**

**Role: Java/Scala Developer**

**Project Description:** Vehicle Insurance Management System - A web application that allows customers to manage their vehicle insurance policies, including renewals, claims, and payments. The application can be built using Scala, Akka, Akka Http, and Microsoft SQL Server.

**Responsibilities:**

* Architected and Developed the web application implementing MVC Architecture integrating JPA, Hibernate ORM for CRUD operation, Hibernate Search and spring 4.x framework
* Developed MicroServices using Spring boot and core **Java/J2EE** hosted on AWS.
* Developed Splunk dashboard and reports based on metrics and KPI collected using custom application logging using **Splunk REST API**
* Implemented Server-to-Server(S2S) Authentication based on token based system using Java to access Remote **REST API.**
* Developed Microservices based on **Restful web** **service** using **Akka** Actors and Akka-Http framework in **Scala** which handles high concurrency and high volume of traffic
* Developed REST based Scala service to pull data from **ElasticSearch**/Lucene dashboard, Splunk and Atlassian Jira
* Implemented the real time data analytics pipeline as part of Enterprise messaging pattern while using Kafka and **spark streaming.**
* Actively involved with senior team members in modelling the data for persisting the data into different back end databases
* Developed Spark SQL job as a part of **ETL** project which will aggregate reporting data ingest into **Hive** and **Hbase** for Data warehouse and reporting purpose.
* Developed **Spark SQL** job as a part of ETL project which will aggregate JSON input data and write it to Cassandra database for reporting purpose.
* Executed POC for generating **Apache Solr** indexes using **Spark** batch to be stored in **Cassandra.**
* Developed Restful web services using Spark hidden **Rest API** which invokes Spark batch Jobs.
* Developed Prototype for monitoring real time application metrics/**KPI** using Influx DB and Grafana through **Kafka and Spark.**
* Designing and implementing data pipelines that can handle data ingestion, processing, and storage using **Flink and Flume.**
* Integrating **Flink/Flume** with other big data technologies such as Hadoop, Kafka, and Cassandra.
* Experienced with deploying **Spark** job with standalone, **Yarn** and Mesos mode.
* Developed and implemented stored procedure and another database query using Jtds JDBC 3.0 library for SQL server 2012.
* Developed **native Scala/Java** library using Jsch to remotely execute Auto Logs Perl Scripts
* Created and implemented a custom grid system using CSS grid system and **jQuery JavaScript** library.
* Developed complex automation JIRA workflows including project workflows, screen schemes, permission scheme, triggering Jira Event Listener API and notification schemes in JIRA using Atlassian Jira Plugin **API** based on core **Java** and Adaptavist Script runner based **groovy** scripts.
* Deploy application to **WebLogic** Server, configure the application server, and tune it for optimal performance.
* Participating in code reviews, testing, and quality assurance processes to ensure that **Flink/Flume** applications are robust, efficient, and maintainable.
* Worked with Jenkins/Puppet based CI process to promote the code in dockerized container in AWS instance.

**Environment:**Java , Groovy, Flink/Flume ,Apache Spark ,Apache HBase, Apache Hive, Scala 2.11.8,Spring MVC 4.x, WebLogic , Hibernate 4.x,Akka, Akka http, Atlassian Jira 7.2.6, Splunk 6.5.2 ,Microsoft SQL Server 2012 ,SBT, Apache Maven, AMPS ,Apache Ant , IntelliJ IDEA, Eclipse Neon, Apache Tomcat 8