**Akshay CH**

**Sr. Java Full Stack Developer**

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**PROFESSIONAL SUMMARY:**

* **7+ years** of Professional experience in designing, developing, maintaining, and implementing Enterprise applications using **Java**, **J2EE, Spring, Spring Batch, and Microservices Technologies.**
* Good Experience with various spring modules like **Spring IOC, Spring MVC, Spring JTA, Spring Batch, Spring Boot 2.0, Spring Cloud, AOP, and Spring Security** (**OAuth2**).
* Expertise in designing and developing Single Page dynamic-client-side applications using **Angular, React JS, Meteor JS, Ember JS, and Vue JS**.
* Hands-on experience with Core **Java 8** features **like Functional Interface Programming**, **Lambda’s**, and Streams including extensive knowledge with **concurrency, multi-threading, exception handling, filters, and Generics**.
* Experience in JavaScript-based frameworks like **Angular, Backbone JS, Ember JS, Knockout JS, and Ext JS** for unique and customized front end app development and to achieve **MVC** design flow.
* Solid experience in developing the rendering, re-rendering view **ReactJS** components, forms, events, and **Redux** asynchronous functions, client-side routing with React Router, and React - Flux pattern for core dependency.
* Experience in Spring Framework such as **Spring IOC, Spring DAO, spring web flux**,**Spring ORM, Spring Resources, Spring JDBC, and Micro-Services**.
* Experienced in frameworks: **Spring** **MVC**, **struts** **framework**, **JSF,** **spring** and **hibernate**.
* Strong experience in **Spring** **Framework** including **Spring Core/IOC, Spring Security** and implement the authentication, authorization, and access-control features by using **Spring Security**.
* Good Experience in designing and developing Web Services using WSDL, Swagger and WADL to implement **SOAP** and **RESTful** Services.
* Good knowledge of frontend development tools like **HTML, XHTML, HTML5, Java-Script, CSS, AJAX, jQuery, JSTL specification, XML (SAX, DOM), XSL, XSLT, JAXP, JAXB, DTD**, Resource Properties.
* Experience using JavaScript build tools and task runners like **Webpack**, **Grunt**, **Gulp** for **React**, **Firebase** and **Angular**, and **Browserify** for packaging **Node JS** modules for browsers.
* Extensive experience with using java based ORM frameworks like **Hibernate, JPA,** and **Spring Data**.
* Strong programming skills in designing and implementing multi-tier applications using web-based technologies like **Spring MVC** and **Spring Boot**.
* Good experience in **Web Application Development**, **Client-Server based Enterprise Applications, System Analysis**, **Technical Design**, **Performance Tuning**, and **Testing**.
* Hands-on AWS services like Elastic Compute Cloud (**EC2**), Virtual Private Cloud (VPC), Route53, **Lambda,** Simple Storage Service (**S3**), Auto Scaling, **IAM**, and **GCP**.
* Dexterous with database modeling and development using **SQL** and PL/SQL in **Oracle** (8i-11g), **DB2,** and **SQL** Server environments.
* Experience with relational databases like **MYSQL, PL/SQL, Oracle,** and **MS SQL** to build PL/SQL functions, store procedures, triggers, views, and materialized views.
* Good experience using integration tools like **Spring Integration**, **Apache CXF Mule ESB**, **Apache Kafka,** and **Apache Camel** to integrate the enterprise application technologies with existing JVM environments.
* In **Splunk** Log Management Creating dashboards, monitoring, reporting, Email Notification to Users for threshold limit. Experience working in **Kafka.**
* Experienced in designing **point-to-point** and **publish & subscribe** java Message-Oriented Middleware models **(MOM)** using **Active MQ, Rabbit MQ, IBM MQ,** and **Strom MQ.**
* Experience using **Splunk** and **Grafana** for creating dashboards and monitoring the logs and metrics.
* Experience in deploying applications using **Docker** container services and building continuous integration and deployment pipelines using Jenkins with GitHub also used **Kubernetes** Linux container for deploying and scaling containerized applications.
* Experience with building tools like **Maven, Ant,** and **Gradle**.
* Experience working with YAML, a swagger used to describe the apis.
* Experience using **Jenkins** to deploy the services to automate and build QA environments.
* Experience in testing code using **Chai, Mocha, Junit, Selenium, Cucumber, TestNG,** and **Soap UI**.
* Experience in application development using **RDBMS** and **Linux shell scripting.**
* Good Knowledge of **Version Control** tools like **Git, CVS, VSS,** and **SVN.**

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* Have some experience creating Kotlin apps from scratch.
* Implemented Kotlin with Android content providers for implementing features like sending E-mails, SMS, etc., from the app and designed suitable GUI for these applications.
* Utilized Docker containers extensively to conduct testing on Cassandra, a system designed to manage structured data at a large scale across multiple commodity servers, ensuring fault tolerance.
* Moderate knowledge of cloud GCP like docker, and **AWS s3 bucket.**
* Provided technical leadership and guidance to the Java development team.
* Define best practices, coding standards, and architectural guidelines for Java development projects. Participate in the design and architecture of Java-based applications and systems.

**TECHNICAL SKILLS:**

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| **Enterprise Java** | JSP, Servlet2.x, EJB, JNDI, JMS, JDBC, JPA. |
| **Languages** | Java(proficient), SQL, PL/SQL, C# limited exposure. |
| **Web Services** | JAX-WS, JAX-RPC, JAX-RS, Apache CXF, Axios. |
| **Web technologies** | HTML, CSS, HTML5, CSS3, LESS, SASS, JavaScript, jQuery, AngularJS, XSLT, XML, JSON |
| **Web/App Servers** | Oracle/BEA WebLogic, IBM WebSphere, JBoss, Tomcat, Jetty Server, AEM, Nginx. |
| **Tools & Frameworks** | Angular 4/6/7/9, 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, Node js |
| **Build Tools** | ANT, Maven, Gradle, NPM, Grunt, Gulp, Bower, Jenkins, Web pack. |
| **CI/CD Tools** | Jenkins, Bamboo |
| **Databases** | Oracle, DB2, SQL Server, MySQL, PostgreSQL. |
| **Operating Systems** | UNIX, LINUX, Windows XP/2000/VISTA |
| **Methodologies Agile** | Scrum, RUP, TDD, OOAD, SDLC Waterfall model |
| **Modeling Tools** | UML, Rational Rose, Visio |
| **Testing Tools** | JUnit, JMeter, Selenium, Cucumber, Mockito, Test Ng, Karma, Jasmine, Protractor, Mocha, Chai, Soap UI |
| **Cloud Technologies** | Amazon Webservices (AWS) -Lambda, IAM, VPC, IAM, EC2, S3, Route53, API Gateway, Cloud Watch, Step Functions, ELB. |
| **Version Control** | Bit Bucket, GitHub, Tortoise SVN, CVS |

**T-Mobile, Plano, TX   June 2023 - Till Date**

**Sr Full Stack Java Developer**

**Responsibilities:**

* Involved in gathering and analyzing System Requirements.
* Writing clean, efficient, and maintainable code in Java, adhering to best practices and design patterns.
* Worked closely with cross-functional teams, including QA, DevOps, and product management, to deliver high-quality software solutions. Collaborate with project managers to define project scope, timelines, and resource requirements.
* Break down project tasks and assign them to team members, ensuring proper allocation of resources.
* Stayed updated with the latest trends, technologies, and best practices in Java development.
* Evaluate and recommend new tools, frameworks, and technologies to improve development processes and productivity.
* Documented technical specifications, design decisions, and implementation details for reference and future maintenance.
* Facilitate knowledge-sharing sessions and technical workshops within the team to promote learning and collaboration.
* Involved in the migration of the UI using Angular and Java.
* Responsible for developing the UI pages using Angular 6/7, HTML5, CSS3, JavaScript and Bootstrap.
* Responsible to Style, look and feel of the web page with SASS that extends CSS with dynamic behavior such as variable, mixing, operations and functions.
* Used various Angular custom directives and developed reusable components and templates that can be re-used at various places in the application.
* Worked with Angular to develop single page applications, worked with ngrx for managing Angular applications.
* Created Typescript reusable components and services to consume REST API's using Component-based architecture provided by Angular.
* Developed the enterprise application by integrating Spring MVC, Spring Boot, and Spring Data JPA Frameworks.
* Developed REST (Representational State Transfer) API's (Applications) Microservices in Java using Integrated Development Environment (IDE) and pushed into GitHub.
* Worked on Java 1.8 features such as Lambda Expressions for making anonymous inline function calls by using Functional Interfaces which makes code readable and concise.
* Worked with core java concepts like Collections Framework, Multithreading, and Memory management.
* Implemented Microservices architecture using Spring Boot for making the application smaller and independent.
* Used Spring Integration for integrating the application with Microservices using spring integration workflow files.
* For making existing applications more user-friendly we researched Android application acceptance and feedback from the application users.
* Developed the application with various Spring Framework modules like Spring MVC, Spring IOC, Spring AOP, Spring Boot, and Spring Security.
* Used Spring IOC to maintain loose coupling between layers published the business layer as services and injected the necessary dependent components and published cross cutting concerns like Logging, User Interface exceptions, Transactions using Spring AOP and annotations.
* Developed application using Spring Modules following MVC design pattern.
* Primarily focused on the spring components such as Dispatcher Servlets, Controllers, Model and View Objects, View Resolver
* Involved in the design of new services using Spring Boot.
* Developed stored procedures and triggers using PL/SQL to calculate and update the tables to implement business logic using the Oracle database.
* Used Git as the version control tool and code storage. Used git commands for cloning, stashing, rebase, creating branches, adding tags, and pushing the code.
* Built pipelines, ran tests in Jenkins, and deployed applications in AWS (Amazon Web Services) Lambda.
* Experienced in creating REST (Representational State Transfer) Proxy Microservices making back-end calls to SOAP (Simple Object Access Protocol) applications.
* Used POSTMAN tool for testing the REST (Representational State Transfer) APIs (Applications) for GET, POST, PUT, and DELETE methods and documenting the Microservices.
* Worked on Log4J to validate functionalities logging errors, messages, and performance logs and Mockito framework JUnit for unit testing.
* Played a pivotal role in data modeling for applications on Cassandra and successfully orchestrated the migration of databases from Oracle to Cassandra.
* Collaborated closely on Cassandra data loading activities, encompassing historical and incremental loads from Oracle Databases, and adeptly addressed loading issues while optimizing loader performance.
* Led Cassandra cluster planning, encompassing tasks such as estimating data sizing and identifying hardware requirements based on anticipated data volume and transaction load.
* Involved in the enhancement and technology upgrade of the system.
* Used GitHub as version control tool to maintain the code repository.
* Involved in AWS s3 bucket pipeline runs and EC2.
* Involved in deploying the application on development and Staging environments using Docker.

**Environment:** Java, J2EE, Restful Web services, Angular 6/7, HTML5, CSS3, SQL, PL/SQL, Spring, Spring Boot, Eclipse, Oracle, Autosys, Tomcat.

**General Motors, MI Sep 2022 – May 2023**

**Full Stack Java Developer**

**Responsibilities:**

* Worked on High level and low-level system design, planning, estimation, and implementation.
* Developed presentation layer using JSP, HTML5, CSS3 and client validation using JavaScript.
* Developed Single page application and structured the JavaScript code using AngularJS.
* Design and develop template-based User Interface using Bootstrap and Angular JS.
* Handled all the client-side validations, slide show, hide and show controls, dropdown menus and tab navigation using jQuery.
* Utilized Java 1.8 features like Lambda expressions and Stream API for Bulk data operations on Collections which would increase the performance of the Application.
* Deployed and Monitored Microservices Using Pivotal Cloud Foundry, also Managed Domains and Routes with the Cloud Foundry.
* Designed, Configured, and deployed Amazon Web Services (AWS) for a multitude of applications utilizing the Amazon cloud formation.
* Designed and developed Micro Services business components and RESTful service endpoints using Baspring core. And converted a monolithic app to microservices architecture using Spring Boot using 12-factor app methodology.
* Used Micro service architecture with Spring Boot based services interacting through a combination of REST and Apache Kafka message brokers.
* Deployed Micro service architecture using Pivotal Cloud Foundry.
* Implemented Zipkins for distributed Micro Service Monitoring. Integrated Swagger UI and wrote integration test along with REST document.
* Created server-less Micro services by integrating AWS Lambda, S3/Cloud watch/API Gateway.
* Experienced in setting up Amazon EC2 instances, virtual private cloud (VPCs), and security groups. Setting up databases in AWS using RDS, storage using S3 bucket and configuring instance backups to S3 bucket.
* Implemented the application using Spring IOC, Spring MVC Framework, Spring Batch, Spring Boot, and Spring Web MVC and handled the security using Spring Security.
* Developed RESTful API for assessment indicators module and token-based authentication for RESTful services using Spring Security.
* Used Jersey to implement Restful Web Service and used XML form to transfer the data.
* Developed the application using J2EE Design Patterns like Business Delegate, Factory, Singleton, Session Facade, Service Locator and DAO.
* Worked and involved in deployment of core platform technologies, techniques, and web app frameworks such as spring, JBOSS, Tomcat, JSON, XML, HTML5, and Web Services.
* Used Spring MVC module to develop MVC Architecture.
* Involved in Developing a Restful API'S service using Python F
* Mentor and train other team members on System Design, Coding standard and best practices.
* Collaborated with testers and developers and prepared test plans for producing high quality software applications.
* Worked on Log4j for logging errors, messages, and performance logs.

**Environment:** Java 1.8, J2EE, HTML5, CSS3, jQuery, Bootstrap, JavaScript, AngularJS, NodeJS, Hibernate, Spring MVC, Spring IOC, Fuse ESB Spring boot, spring security, XML, GIT, JSP, JUnit, Maven, IBM WebSphere, Rest API, Apache, JAX-RS, Restful, Amazon Web Services (AWS), Micro Services, Log4J, Oracle, Mongo DB, WSD and Spring Tool Suite.

**Goldman Sachs, Bengaluru, India Nov 2019 – Dec 2021**

**Role: Java Developer**

**Responsibilities:**

* Implemented various Scrum phases like gathering Requirement, Design, Analysis and Code development and the project was developed using Agile based SCRUM Methodology.
* Involved in Requirements gathering, Analysis, Design, Development, and Testing of the application using AGILE methodology (SCRUM).
* Created Hibernate mapping files, sessions, transactions, Query, and Criteria to fetch the data from SQL-based schema.
* Reading and downloading the RabbitMQ queue using multithreading by allowing n number of threads to record data in the file on date wise.
* Utilized Apache Camel to integrate Microservices with other Microservices and RabbitMQ messaging exchanges.
* Designed and developed various Microservices using Spring Boot and Spring Cloud.
* Implemented Spring Boot Microservices to process the messages into the Kafka cluster setup.
* Migrated existing java application into Microservices using spring boot and spring cloud.
* Designed and developed Microservices business components using Spring Boot.
* Experience in developing Microservices with Spring boot using Java.
* Have knowledge on partition of Kafka messages and setting up the replication factors in Kafka Cluster.
* Configured deployed and maintained multi-node Dev
* Involved in designing, developing, and testing the web application by using HTML5, CSS3, SASS, LESS, Bootstrap, and React.JS.
* Skilled in leading frameworks as React.js to build high-quality, scalable, and reusable components and Front-end solutions.
* Setting up Angular 7 framework for UI development. Developed html views with HTML 5, CSS, jQuery, JSON, and Java Script.
* Created a RESTful Web API service using ASP.NET Web API to generate data for the EMS which was then consumed in the front-end by Angular 7.
* Design and developed web pages HTML5, CSS, Bootstrap and Client-side scripting using JavaScript, Ajax, jQuery and Angular 7.
* A robust understanding of front-end technologies, Object-Oriented JavaScript, AJAX, XHTML, HTML, XML/DOM, Node.js, Angular 7, React JS, JS-Based framework.
* Designed and developed client's website screens and front-end widgets using React.js.
* Maintaining parent and child elements by using State and Props in React JS.
* Designed and implemented server-side RESTful web services using Node JS and handled communications to the client side (React JS) using JSON.

**Environment:** Java 8, J2EE, CI/CD, HTML5, CSS, JavaScript, Bootstrap, jQuery, AngularJS1.6, JavaScript/ES6, AJAX, Responsive Web Design, Spring Boot, Webservices, Microservices, Spring, JUnit, XML, XSLT, Java Beans, UML, Design Patterns, log4j, Scrum Methodology, Maven, SOAPUI, NGINX.

**Employers,**

**Hyderabad, India                   May 2017 – Oct 2019**

**Java Developer**

**Responsibilities:**

* Involved in gathering and analyzing System Requirements.
* Preparing the Assembly test case document and readiness sheet.
* Providing Production support during application deployment.
* Involved in developing Webservices operations in Service Oriented Architecture (SOA).
* Followed agile methodology during complete SDLC process.
* Participated Agile/Scrum development and deployment teams.
* Used Spring Framework 4.1 for the application development.
* Responsible for Web UI development in JavaScript using jQuery, AngularJS, and AJAX.
* Design and developed request and response XML Schema (XSD) documents for Webservices operations such as Retrieve History.
* Developing Intranet Web Application using J2EE architecture, using JSP to design the user interfaces and hibernate for database connectivity.
* Developed DAOs using JPA, hibernate persistence API for the database operations to interact with Oracle Database.
* Implemented the application using Spring Boot Framework and handled the security using Spring Security.
* Developed web service client using Spring Framework and REST HTTP protocol to get customer credentials and information.
* Responsible for creating efficient design and developing User Interaction screens using HTML, CSS, JavaScript, jQuery, AJAX, and JSON.
* Implementing JSP Standard Tag Libraries (JSTL) along with Expression Language (EL).
* Creating custom, general use modules and components which extend the elements and modules of core AngularJS.
* Extracted data in UI for different clients using JSON.
* Implemented application architecture of the System is based on Spring MVC and J2EE specifications.
* Experienced in Security-System development for Web Applications. Involved and developed all phases of security implementation using spring security system against modes of authentications: LDAP authentication, Database authentication and Pre-Authentication.
* All the functionality is implemented using Spring IO / Spring Boot, Thyme leaf and Hibernate ORM.
* Implemented Java EE components using Spring MVC, Spring IOC, spring transactions and spring security modules.
* Implementing or exposing the Micro services to base on RESTful API utilizing Spring Boot with Spring MVC.
* Were used as the best ecosystem to deploy and manage Micro services.
* Used Hive QL, Map Reduce, Cassandra bulk loads, Java Web Services, UNIX Shell Scripts, and Active MQ’s.
* Implemented the application using design patterns such as Session Facade, Business Delegate, Bean Factory, Singleton, Data Access Object, and Service Locator.
* Used Azure Cloud services performed various web operations in Azure App Service.
* Defined strategic initiatives on Continuous Integration & Delivery (CI/CD) model with Test-driven development, Extreme programming (XP), and build automation, in an AGILE development environment to help, respond quickly to business needs and to ship world class Quality products.
* Utilized Hibernate for Object/Relational Mapping (ORM) purposes for persistence onto the Oracle database.

**Environment:** Java, J2EE, HTML, Restful Web services, Angular JS, SQL, PL/SQL, Documentum 6.7, DQL (Documentum Query Language), Spring, Eclipse, Web Storm, Oracle, Jasmine, RTC