**Avichal Aggarwal**

**Plano, TX |**

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**PROFESSIONAL SUMMARY**

* A motivated proactive professional 5+ years of Experience, coupled with strong analytical and adaptive skills in implementing various business applications and products using JAVA/J2EE Technologies and Web Technologies for enterprise applications.
* Extensive experience in designing both Frontend & Backend applications using Java, J2EE Web frameworks including core Java concepts, JSP, JSTL, HTML, CSS, Angular JS, Script, jQuery.
* Designed and developed **JEE MVC** applications using **Spring MVC.**
* Experience in working with various phases of Software Development Life Cycle (SDLC) methodologies based on Agile, Scrum, Waterfall Model.
* Good knowledge of algorithms and data structures.
* Basic knowledge on AWS. Preparing for AWS certification to be done by end of this year.
* Hands-on experience in Core Java and implementing concepts like Multithreading, Concurrency, Exception Handling, File handling, IO, Generics and Java collections in various projects.
* Expertise in developing web pages using HTML5, CSS3, JavaScript, jQuery, Ajax and Angular JS with webpage cross browser compatibility and responsive web design and have knowledge on Server scripting language like Node JS.

**EDUCATION**

New York Institute of Technology, New York, NY **December 2018**

**Master of Science in Computer Science**

Relevant Courses: Database Systems, Programming Languages, Operating System Security

Maharishi Dayanand University, Haryana, India **May 2013**

**Bachelor of Technology in Computer Science Engineering**

Relevant Courses: Database Management, Java, C#, Web Development, AI

**CERTIFICATIONS**

* [**Oracle Certified Associate, Java SE 8 Programmer**](https://www.youracclaim.com/badges/0de43125-94a5-4717-b011-e60f7018d982/linked_in_profile)
* [**O**racle Certified Professional, Java SE 8 Programmer](https://www.youracclaim.com/badges/7464966c-5fe8-48d4-a636-dc95278eca56/linked_in_profile)

**PROFESSIONAL EXPERIENCE**

Application Programmer V                                                                            Sep 2020 – Till Now  
Bank of America, Plano TX

Employer – Collabera  
Project: Erica

Job Responsibilities:

* Involved in analysis, specification, design, and implementation and testing phases of Software Development Life Cycle SDLC.
* Working on ERICA which is a Virtual Financial assistant for Bank of America.
* Implemented service layer classes using Spring IOC and AOP classes.
* Developing the application using industry standard design patterns like Singleton, MVC, and Factory Pattern etc for re-usability.
* Using JavaScript for Client Side validation in JSP pages.
* Working on Autorun tool for Automation testing.
* Involve in all phases of Development as well as testing.
* Using RESTful web services to expose certain functionalities of the application.
* Working on Automation and manual scripts for testing.
* Groovy pages are being used to alter the response pages of ERICA virtual assistant.
* Using Spring Dependency Injection feature for Bean wiring.
* Using Agile Development methodologies like Scrum.

Environment: Java/J2EE, Spring Boot, Microservices, Maven, Restful webservices, Autorun Tool, Testing, Eclipse, GIT, Oracle 12C, SQL developer, Jira, Oculus, SharePoint.

Software Engineer (Backend Developer)                                                                May 2020– August 2020  
PNC BANK, Pittsburgh, PA

Employer – SNGULAR PEOPLE  
Project: CROSSCORE-KYC

Job Responsibilities:

* Designed and coded application components in an Agile/TDD environment utilizing a testdriven development and SDET approach and pair-programming.
* Developed the application using spring framework that leverages model view layer architecture, also configured Dependency Injection.
* Used Hibernate ORM tools which automate the mapping between SQL databases and objects in Java.
* Extensively used Hibernate in data access layer to access and update information in the database.
* Integrated Spring DAO for data access using Hibernate
* Created hibernate mapping files to map POJO to DB tables
* Involved in the Development of Spring Framework Controllers.
* Developed various Java Bean components for implementing business logic.
* Involved in interacting with end users for requirement analysis
* Designed and developed API with all the CRUD capabilities using SOAP.
* Identify gaps in current controls and suggest ways improve the existing process.
* Familiar with Kafka
* Design JSON requests according to the front-end pages;.
* Process the JSON requests according to different types of modules, actions, and request data;.
* Design JSON responses according to the request, send it back to the front end after the logic processing;.
* Unit testing using JUnit.

Environment: Java/J2EE, Spring, Spring Boot, Spring MVC, Microservices, Angular, Maven, Restful webservices, Hibernate, JSON, Junit, Eclipse, Jira, Kafka.

Software Developer                                                                                        Oct 2019– March 2020  
CITI , Irving TX

Employer – IRIS Software  
Project: Business Drivers.

Job Responsibilities:

• Involved in gathering the requirements from the business team, requirement analysis, preparing the functional and technical design documents, application development and testing.

• Implemented the project using the Spring Framework (used Spring IOC and Dependency Injection, Spring MVC, Spring Boot).

• Developed java modules implementing business rules and workflows using Spring Boot.

• Designed and developed the REST based Microservices using the Spring Boot.  
• Involved in the development of the Golden copy file processing.  
• Designed and implemented application using Java, Servlets, Spring MVC, Spring IOC, Spring Annotations, Hibernate, JDBC, SQL, JMS, XML, JSON, Oracle.

• Involved in writing the test-cases using JUnit, debugging Implementation and deployment activities. Successfully involved in test driven development model using JUnit.  
• Involved in migrating the application to the multi geographical locations and customizing the application for the dynamic strategic plans.  
• Interact with release management team to deploy the generated war file into DEV environment.  
• Supporting the production application and resolving the defects raised.

• Diverse experience in utilizing tools like N-tier and Microservices architecture applications using Spring Boot, My SQL and Restful Web Services.

• Involved in development of applications using version control Bitbucket and IDEs Eclipse.  
• Developed the application code management and branching strategy plan.  
• Managing the application deployments in higher environments like PROD, UAT and SIT.  
  
Environment: Java/J2EE, Spring, Spring Boot, Spring MVC, Microservices, Angular, Maven, Restful webservices, Python, CSS, HTML, JSP, Servlets, XML, PL/SQL, JSON, Junit, Log4j, Eclipse, GIT, Oracle 12C, putty, FileZilla, SQL developer, Jira, Linux.

Java Developer/Administrator May 2015 to Dec 2016

WIPRO, India

Job Responsibilities:

* Involved in SDLC Requirements gathering, Analysis, Design, Development and Testing of application using AGILE methodology.
* Worked on SCRUM and used tools like JIRA.
* Used Spring Boot to wrap the application in "Microservices" architecture. Implemented the logging framework in the SOA environment.
* Responsible for the implementation of application system with Core Java and Spring Framework.
* Involved in all phases of the end-to-end implementation project requirements gathering, analysis and design, development, testing and debugging.
* Implemented major concepts of Core Java, Servlets, JSP, JDBC, MVC, Spring Framework, and XML.
* Implemented the application using concrete principles lain down by design patterns such as Singleton.
* Designed and developed application based on Spring MVC design pattern and multithreading
* Worked on JDBC framework encapsulated with Data Access Object (DAO) pattern to connect to database.
* Experience writing angular.js code for developing Single page applications (SPA) used several in built language core directives, expressions and modules.
* Developed the application using Core Java, Multi-threading, Spring MVC, J2EE, Hibernate.
* Used HTML, CSS, Spring MVC, JSP, and JQuery, JavaScript, Angular 2, Node.js in the development and the designing the UI.
* Involved in generating Hibernate Configurations files, hibernate mapping files and Hibernate Data Objects to communicate data in persistence layer.
* Experience in publishing and consuming Web Services (RESTful/SOAP).
* Developed Servlets and JSPs based on MVC pattern using Spring Framework.
* Used Java Multithreaded programming to develop multithreaded modules and applications.
* Experienced in writing SQL queries, stored procedures, modifications to existing database structure as required for addition of new features using SQL Server.
* Wrote Rest-Controller w.r.t RESTful standards in Spring MVC to connect model with view.
* Developed presentation layer with JSP, HTML, CSS, and JavaScript. Used Postman to test transmission of REST API.

Environment: Core Java, Servlets, JSP, JDBC, MVC, Spring Framework, Microservices, Java Beans, XML, Singleton, Data Access Object (DAO), SQL Server, HTML, CSS, JavaScript, Spring Boot, Postman, Core Java 7, Java8, J2EE, JavaScript, Oracle 11g, Angular 2

Software Developer May 2013 to April 2015

Flagbits Technologies, India

Job Responsibilities:

* Worked on multiple projects simultaneously.
* Closely worked with business system analyst to understand the requirements to ensure that right set of UI modules been built.
* Responsible for the implementation of application system with Core Java.
* Wrote application level code to perform client-side validation using jQuery and JavaScript.
* Designed the front-end applications, user interactive (UI) web pages using web technologies like HTML, XHTML, and CSS3.
* Formulate and define system scope and objective based on user needs and thorough understanding of business processes.
* Participated in numerous creative brainstorm sessions with strategists, storyboards, design specifications, and screen layouts that were shared with Directors and other team members.
* Developed web presentation layer using HTML and CSS according to internal standards and guidelines.
* Developed Servlets and JSPs based on MVC pattern using Struts framework and Spring Framework.
* Directed towards full stack development using both front-end driven and core concepts. Equipped utilizing Spring Framework.
* Involved in test-cases using JUnit, debugging Implementation and deployment activities. Successfully involved in test driven development model using JUnit.
* Handled all aspects of the web application including maintaining, testing, debugging, deploying and printing.
* Involved in Unit integration, bug fixing, acceptance testing with test cases, Code reviews.
* Worked with teams where requirements are constantly being implemented, tested and improved.
* Worked on Cross-Browser compatibility and fixed the bugs for several browsers.
* Designed the table fewer web applications using CSS and with the help of and tags as per W3C standards.
* Continuously provide input to project management activities throughout the project lifecycle influencing scope, risk plan, project plan, issues and status.

Environment: HTML, CSS, JavaScript, jQuery, AJAX, Agile methodology, Core Java, Servlets, JSP, JDBC, MVC, Spring Framework, Eclipse, XML, CSS3, JSP, SOAP UI, HTML5, PL/SQL, node.js, Junit, Linux.