**Avinash**

 **Senior Java Full Stack Developer**

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**PROFESSIONAL SUMMARY:**

* Around **10 years** of extensive software **expertise**, I have gained considerable experience in **designing**, **developing**, and implementing **web-based client-server business applications** utilizing **Java/J2EE** technologies.
* Experience working with various Software Development Life Cycle (SDLC) methodologies, such as **Agile** (Scrum), **Test Driven Development** (TDD), and **Waterfall models**. This includes involvement in different **stages** of **the development process**, from requirement **gathering**, **analysis**, **design**, **coding**, **testing**, to implementation.
* Strong understanding and expertise in **core Java** concepts, including **Collection frameworks, Interfaces, Synchronization, Serialization, Thread pools, JavaBeans, Externalization, Generics, and Annotations**.
* Good hands-on **Java 8** concepts like **Lambda, Functional Interfaces, Filters and Streams**.
* Knowledge in developing applications using **Java/J2EE** technologies **Hibernate, Servlets, JSP, JSF, AJAX, JDBC, JNDI, GWT JavaBeans, JSTL, Swing, Struts, XML, Web Services, JMS**.
* Experience on Spring Framework – **Spring Core, Spring DAO, Spring IOC, Spring MVC, Spring ORM, Spring AOP, Spring Boot, Spring Web flow** and hands on experience in working with Spring Batch for **monitoring, logging into the application, tracing, application support, transaction and resource management**.
* Knowledge in Middleware persistence frameworks like **Hibernate/JPA** Entities for mapping Java classes using **Hibernate Query Language (HQL), HSQL Named Queries, Criteria, Projections.**
* Worked with **Log4j** for logging and used **JUnit** and **Mockito** for unit testing and integration testing.
* Expertise in front-end technologies, including but not limited to **HTML4, CSS3, AJAX, JSON, DOM, TypeScript, Bootstrap, XHTML, DHTML, JavaScript, jQuery, Node JS, Tag libraries** and **Angular**.
* Experienced in working with **Redux architecture** using complex Object-Oriented concepts in improving the performance of the websites.
* Experience in using **React JS components, Forms, Events, Keys, Router, plus Redux, Animations and Flux concept**.
* Experience working with **ES5/ES6/ES7** features, such as closures, hoisting, prototypes, block scoping, rest, spread, restructuring, classes, promises, iterators, generators, async/await, as well as maps and sets.
* Experience in database design and development of **PL/SQL** stored procedures, and packages in relational databases like **Oracle 9i / 10g / 11g, SQL Server, DB2, MySQL** and good hands-on experience in implementing, designing and developing **NoSQL** Databases like **MongoDB**.
* Installed, configured, and administered **NoSQL** database clusters in **AWS Virtual Private Cloud Network** for available data on cloud.
* Extensively experience with **Test-driven Development** and proficient in creating and executing Unit test cases using **Jasmine** and **Karma**.
* Experience in Message Queue (MQ) services like **Apache Kafka, Rabbit MQ, Active MQ and IBM MQ.**
* Experience with project build/test/deployment tools like **Maven** and **Ant.**
* Experience in using Version Control Systems and Build tools **like TFS, CVS, Git, SVN and Ant, MAVEN, and Log4J**.
* Experience on **AWS** platforms **VPC, EC2, ELB, SQ3,** and **EBS, ROUTE 53, DynamoDB CLI** and **SDK’s/API tools** and good knowledge on **AWS** tools like **S3, Lambda, Kinesis, Cloud Watch, SQS.**
* Implemented **AWS** solutions using **E2C, S3, RDS, EBS, Elastic Load Balancer, Auto scaling groups,** Optimized volumes and EC2 instances and created monitors, alarms and notifications for EC2 hosts using **Cloud Watch**.
* Experience in working with different IDE’s like **Eclipse, Rational Application Developer (RAD), NetBeans, IntelliJ, STS (Spring Tool Suite), Visual Studio, Dream Viewer.**
* Experience in using **Jenkins** for **CI/CD** process and creating **Docker** images and containers.

**TECHNICAL SKILLS:**

| **Programming Languages** | Java, J2EE, Scala, SQL, PL/SQL |
| --- | --- |
| **Web Technologies** | HTML5, CSS3, JavaScript, jQuery, Angular JS, Angular, TypeScripts, Ajax, Node JS, Express JS, JSON, Swagger UI, XML |
| **Spring Frameworks** | Spring Boot, Spring MVC, AOP, IOC, Spring Security, Spring Batch |
| **Java/J2EE Technologies** | Servlets, JSP, JSTL, JDBC, RMI, XML, JSF, Struts2, Swings, AWT, Applets. |
| **Application/web Server** | Apache Tomcat, WebSphere |
| **Database** | Oracle, DB2, MySQL, PostgreSQL, MongoDB |
| **O-R MAPPING** | Hibernate, Spring data, JPA |
| **Methodologies** | Agile, Scrum, Waterfall Model |
| **Cloud Environments** | AWS, Azure, Pivotal Cloud Foundry, Netflix, Eureka |
| **Version Control** | GIT, CVS, SVN |
| **Web Services** | SOAP – WSDL, JAX-WS, RESTful – JAX-RS, Jersey |
| **Reporting Tools** | Crystal Reports XI, Jasper Reports, SSRS  |
| **Testing Tools** | Junit, Jasmine, TestNG, Mockito, Protractor, Jenkins, Selenium, Cucumber, Log4j |
| **Tools** | Kubernetes, Docker, Ansible |
| **IDE & Build Tools** | Eclipse, IntelliJ, NetBeans, Toad, SQL Navigator, Ant, Gradle, Maven |

**PROFESSIONAL EXPERIENCE:**

**Client : NovaSignal Los Angles, CA**

 **2022 Apr - Present**

**Senior Java Full Stack Developer**

**Responsibilities:**

* Involved in various phases of Software Development Life Cycle (**SDLC**) such as requirements gathering, modeling, analysis, design, development and testing.
* Developed multiple **Angular** components which are compatible with latest versions of **TypeScript**, **Angular CLI**.
* Configured various routes, directives for **grid**, **pagination**, **conditional validations**, **templating**, **dynamic loading**, **lazy loading**, **Shadow DOM**, **ngrxstore**.
* Developed **Angular Views** to hook up models to the DOM and synchronize data with the server as a **SPA**.
* Used **Node JS** for building web applications with client-server architecture where both can initiate communication in two-way connections and allows them to exchange the data.
* Worked on Java features such as **Lambda expressions** for making anonymous inline function calls by using Functional Interfaces which makes code readable and concise.
* Deploying the applications in **AWS** as **EC2** instances and created snapshots for the data that must be stored in **Simple Storage Service (S3)** **buckets**.
* Configured **AWS IAM** Groups and Users for Improved Login authentication.
* Implemented **Spring Boot** with **Microservices** to divide the application into various sub modules.
* Responsible for implementing the application using **Spring IOC**, **SpringBoot** and handled the access-control features using Spring Security which are integrated with **Microservices** into the existing system architecture.
* Used **Spring MVC** framework at web tier level to isolate each layer of the application so that the complexity of integration will be reduced, and maintenance will be very easy.
* Used **Spring AOP** Module to implement logging in the application to know the application status and **Spring DAO** Module along with Struts Framework to deal with Database.
* Used **Hibernate**, object /relational mapping (**ORM**) solution technique of mapping data representation from MVC model to Oracle Relational data model with SQL-based schema.
* Used complete annotation driven approach to develop the application using **Spring Boot** and was also involved in setting up the **Spring Boot configuration**.
* Building APIs with declarative interfaces such as **Swagger/OpenAPI** and **GraphQL.**
* Secured API using **OAuth2.0** token based authentication/authorization scheme using Spring Security.
* Worked on integrated **Hystrix**dashboard in order to monitor **Spring Microservices** using **Circuit Breaker.**
* Implemented build stage-to build the **Microservices** and push the **Docker** container image to the private **Docker** registry.
* Worked with **Apache Kafka** development. Primary focusing on **producer / consumer** in creating **Consumer groups**, setting up **Retention Policies** in configurable way and **Zookeeper** issues.
* Configured **Apache Kafka Consumer** and **Producer** metrics to visualize the **Kafka system performance** and monitoring.
* Integration tools like Spring Integration, **Apache CXF** and **Apache Kafka** to integrate the enterprise application technologies with existing **JVM** environments.
* Worked on **MongoDB** database concepts such as locking, **transactions**, **indexes**, **Sharding** and **replication**.
* Involved in installing and configuring **Maven** for building applications and deployment purposes.
* Worked on**Log4J** to validate functionalities and **JUnit** for unit testing.
* Setup the continuous Integration (**CI**) process for the application using **Jenkins**.
* Used **GIT** to maintain the version of files and took the responsibility to do the code merges from branch to trunk and creating new branches whenever new feature implementation starts.

**Environment:**Java, HTML5, CSS3, Bootstrap, Angular, Node JS, JSON, AWS, Spring Boot, Microservices, Hibernate, Spring IOC, Spring MVC, Spring Batch, Spring Security, OAuth, Swagger, Docker, IBM WebSphere,, MongoDB, Maven, Log4J, JUnit, JIRA, Jenkins, GIT and Spring Tool Suite (STS).

**Client : Ansira Dallas, TX**

 **2020 Jan - 2022 Mar**

 **Java Full Stack Developer**

**Responsibilities:**

* Involved in various phases of **Software Development Life Cycle (SDLC)** of the application like Requirement gathering, Design, Analysis and Code development.
* Implemented web interface (UI) for end users using **AngularJS,** which has migrated from the existing **BackBone JS** application.
* Used **HTML5, CSS, jQuery, Ajax** and performed client-side validations using **JavaScript**.
* Created two way binding **AngularJS Components** and provide access to the server-side through **Backbone's API** from **Backbone.Model** and **Backbone.Collection.**
* Developed user interactive web pages using **jQuery UI** plugins like **Draggable, Resizable, Autocomplete, AJAX, JSON, Angular JS.**
* Developed responsive UI modules using **BackboneJS, Handlebar JS.**
* Used **BackboneJS** to utilize its rendering functions and create controllers to handle events triggered by clients and send requests to the server.
* Developed **RESTful** services based on **Spring REST** using **Jersey** framework.
* Utilized **Core Java** concepts like **Collections, Multithreading** and **Exception handling** to develop business components.
* Performed Installation, Configuration and Maintenance of production Cloud Environments such as **Tomcat, Apache, Jetty,** and **JIRA.**
* Implemented persistence layer using **Hibernate** that uses the POJOs (which do not have the business processes) to represent the persistence database tuples.
* **Hibernate Session Manager** used to configure multiple data sources and provide independent database connectivity.
* Performed Load testing of **SOAP** Web Services using **SOAP UI** and Apache **JMeter** tools.
* Designed application to meet international market standards using **Spring MVC Internationalization** and **spring core modules**.
* Server-side validations are achieved using **Spring Validation** framework.
* Deployed and monitored web services using **Spring Cloud Foundry** Managed Domains and Routes with **Spring Cloud Service Registry**.
* Adopted **JMS** **API** to setup mail notification upon the success or failure when the backend processes are completed and to send mail notifications regarding any system related problems.
* Utilized **Apache Cassandra** for storing the external stream of data and building a real time analytics dashboard using **Google Charts API** with **AngularJS Components.**
* Developed **Spring Batch** processes for financial reporting applications and modules using **Perl** and **Korn** shell scripts on **Oracle database**, with partitions and sub-partitions.
* Used **Spring Boot** to provide 'starter' POMs to simplify the **Maven configuration**.
* Implemented **Quartz scheduler** to execute batch programming using **Spring Batch.**
* Implemented various validations rules using **JBoss** Business rules in the drl (drools file) using **Drools rule engine.**
* Developed Test classes using **Junit** and **EasyMock** and test coverage using EMMA plug-in.
* Utilized **AWS Services** platform to upload data into **AWS S3 buckets**, **creating EC2** instances and to deploy the **Dockerized** Container services.
* Developed the **ANT** scripts for preparing **WAR** files used to deploy J2EE components.

**Environment:** Java8, Spring Boot, Micro Services, Hibernate, XML, Scala, Angular, SQL Server, HTML, DHTML, CSS, AJAX, Jasper, CSS, JUnit, Jenkins, IBM RAD, IBM Web Sphere Application Server, GIT.

**Client : Goldman Sacs, New York**

 **2017 Nov-2019 Dec**

**Full stack Java Developer**

**Responsibilities:**

* Worked on **Agile** methodology including team-based design and code reviews.
* Actively involved in Requirement Analysis, designing, development and testing of the entire application.
* Developed the web interface using **HTML5, CSS3, JavaScript, jQuery, Angular JS**, and **Bootstrap**.
* Enhance and modify the presentation layer and **GUI** framework that are written using **JSP** and client-side validations done using **JavaScript**.
* Implemented **Spring MVC** controllers, configured using Spring **MVC** annotations and configuration files.
* Implemented spring framework Bean Factory & Application Context for bean initialization and configurations.
* Spring **AOP** is used for logging, auditing, and security and transaction management to distinguish business logic from the crosscutting concerns.
* Implemented the back-end functionality of the modules using **Singleton** and **Session Facade** design patterns.
* Used **Hibernate** as an **ORM** tool to interact with the database.
* Involved in development of **POJO** classes and writing **Hibernate query language (HQL)** queries.
* Asynchronous messaging is done using **JMS** and created Queue for point to point messaging.
* Developed **REST** web services using **Spring MVC** to extract client related data from database and used **SOAP UI** for testing these **RESTFUL API** web services.
* Implemented Service Oriented Architecture by developing and consuming **RESTFUL** services based on **JAX-RS**.
* Implemented Java Classes to use **JAXP** parser to create Java objects, able to modify the data received in the response.
* Worked with **DB2** and Wrote **SQL** Queries, stored Procedures, triggers, and integrated **SQL** Queries into **DAO**.
* Deployed the application on **Apache Tomcat** Application Server.
* Used **Log4j** logging mechanism for logging.
* Used **SVN** for versioning and concurrent access to the project files.
* Resolving spring framework artifacts and code build & deployment with **Maven**.
* Used **JIRA** for defect and issue tracking and Used **Jenkins** for continuous integration/continuous deployment.
* Automated regression test cases using **Selenium**.

**Environment:** Java, J2EE, Spring MVC, Hibernate, HTML, CSS, JavaScript, Angular JS, JMS, SOAP, Maven, Jenkins, DB2, Selenium, Log4j, SVN, JIRA, Tomcat.

**Client : Time Warner Cable, New York 2015 July - 2017 Sept**

**Java Developer**

**Responsibilities:**

* Implemented new module to import data feed using multithreading and **MVC** Architectural Pattern.
* Worked on multi-threading, executor services and synchronization mechanism, concurrent collections .
* Implemented bulk import module to load data from third part into system.
* Created a nightly job processing module to update the return data using java, **Autosys, shell script.**
* Worked on triggers and stored procedures to calculate monthly returns.
* Used **JDBC, hibernate** for accessing the data from the DB2 database.
* Created SOAP Web Service and SOAP Web Service Client to consume it.
* Implemented java mailing service using **Java Mail API**.
* Strictly followed various design patterns to ease the application extension and maintenance.
* Developed **REST** **APIs** for third party integration using Jersey implementation.
* Performed end to end integration testing for overstock international.
* Integrated with both **SOAP** and **RESTful** services.
* Used **Splunk** Alerts for error handling and monitoring.
* Provided production support by fixing tickets.
* Developed unit tests using **Junit** / **Mockito** frameworks.
* Developed automation test framework for overstock.com using **Selenium**.
* Followed best practices to come up with clean and maintainable code.

**Environment:** Java, JMS, MQ, Spring, REST, Hibernate, XML, JSON, Oracle**,** Eclipse, Maven, SVN, FindBugs, Tomcat, Selenium, Oracle, CXF, Splunk, Linux, Junit, Mockito.

**Client : Abbvie, North Chicago, IL 2014 April -2015 Jun**

**Jr. Java Developer**

**Responsibilities:**

* Developed **RESTful** web services using **JBoss** **RESTEasy**.
* Developed entity beans for persisting application data.
* Developed Admin module using **Struts**, **HTML5**, **CSS3**, **JQuery**.
* Developed **DB** **Trigger** component to post messages when a new user app is added.
* Developed stored procedures for handling news users and applications.
* Developed an integration test framework using **JUnit 4** / **Arquillian**.
* Exposed SOAP services as **RESTful** **APIs** for mobile access.

**Environment:** JMS, CDI, EJB3.1, XML, XSL, XSLT, JSP, HornetQ, Hibernate, JPA, Oracle, SQL, PL/SQL, Ant, Maven, JBoss, Eclipse, SVN, JQuery, Struts, HTML, CSS, Junit, Mac.