**Katta Harshith**

**Sr. Java Full Stack Developer**

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**Summary:**

* Around **9+** years of Progressive technical and functional experience specializing in the analysis, design and development of various multi-tiered client-server applications using Java and Angulartechnology using Object Oriented Technology.
* Implemented the core product projects on Agile, Waterfall, Scrum and Kanban Methodology and involved in delivering high quality product.
* Proficient in Test Driven Development (TDD) for both front end and backend using Java (JUnit, Karma, Jasmine, Easy Mock, and Mockito).
* Developed highly interactive web applications utilizing JavaScript, HTML5, CSS, JSON, Bootstrap, jQuery, and integrating Restful APIs, external web services ensuring high performance on Mobile and Desktop.
* Experience in applying the latest software development approaches including MVC, event-driven applications using AJAX, Object-Oriented (OO) JavaScript, JSON, and XML.
* Extensive knowledge in developing single page applications (SPAs) using Angular.
* Experience in web technologies like JavaScript, Typescript, HTML and CSS, JSON.
* Experienced in Angular, React JS for unique and customize front end app development and to achieve MVC design flow.
* Implemented Java 8 features such as Lambda Expressions, Streams, Method references, and Optional class to reduce the code size and simplify the operations. Worked high end on collections and multithreading.
* Experienced in Middleware persistence/ORM frameworks like Hibernate/JPA Entities for mapping Java classes using Hibernate Query Language (HQL), HSQL Named Queries.
* Proficient knowledge on spring framework modules like Spring Batch, Spring IoC, Spring DAO support, Spring JDBC, Spring ORM, Spring Security, Spring Data, Spring Cloud, Spring AOP, Spring Core.
* Expertise in spring-based micro services, and enabled discovery using the Eureka server.
* Implemented several core designs patterns like Singleton, Data Access Object (DAO).
* Expertise in developing Micro services using Spring Boot to build more physically separated modular applications which will improve scalability, Availability, Agility of application.
* Experience in database modeling, design, and development of PL/SQL stored procedures, packages in RDBMS like Oracle, SQL Server and MySQL.
* Expert in deploying the code to application servers like Apache Tomcat.
* Experience in debugging using implementation of Apache Log4j for logging.
* Performed Unit testing, Integration Testing, and generating of test cases for web applications using Junit and TestNg
* Experience in using various tools and IDEs for development and design like IntelliJ and Eclipse.
* Having Good experience in developing and migrating existing applications into cloud-based platforms like Amazon Web Services (AWS).
* Implemented a CI/CD pipeline using Azure DevOps (VSTS) in both cloud and on-premises with GIT, MS Build, Docker, and Maven along with Jenkins plugins.
* Experience working with Amazon Web Services (AWS) like EC2, S3 bucket, Lambda.
* Good knowledge on apigee edge .creating new policies , shared flows and flow hooks.
* Excellent logical and critical thinking abilities with a sharp expectation to learn and adapt, understand new strategies.

**Technical Skills:**

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| **Languages** | Java 1.8, SQL, PL/SQL, Typescript , JavaScript |
| **Frameworks** | Spring 4.3, Hibernate 4.3, Angular 2/4/6/7/8, Spring Security 3.2, Spring MVC,  Spring Boot, Spring Data, Spring Cloud, Spring AOP |
| **Application/Web servers** | Apache Tomcat 8 |
| **Relational Databases** | SQL server 2012/2014/2016, MySQL 5.7, DB2 11.1, PostgreSQL |
|  | 9.4.10 |
| **NoSQL Databases** | Dynamo DB |
| **Internet Technologies** | HTML 5, JavaScript 1.8, XML 2.0, JSON, CSS 3 and CSS 4 |
| **Cloud Environments** | AWS |
| **IDE** | Eclipse, NetBeans 8.0.2, IntelliJ IDEA 2017.1, Spring Tool Suite (STS) 3.8.3, Web Storm, Atom |
| **Operating system** | Windows, Linux, Unix |
| **Testing Tools** | JUNIT4.12, JMeter, Mockito, TestNG, Jasmine, Karma |
| **Methodologies** | Agile, Waterfall, TDD (Test-Driven-Development), Scrum |
| **Build Tools** | Maven, Gradle, Jenkins |
| **Version and Source Control** | GIT, Bit Bucket, SVN |

**Professional Experience:**

**Client: Yahoo, Sunnyvale, CA Aug 2022 – Till Date**

**Role: Java Full Stack Developer**

**Responsibilities:**

* Developed the application using AGILE-SCRUM methodology, used JIRA to manage the project workflow.
* Participated with team members in Grooming, Planning, Tasking, Sprint Reviews, and Retrospective Sessions.
* Implemented typescript features like arrow functions, constants, block-scope variables, and class inheritance.
* Designed animated web pages by importing @angular/animations from latest animation package in Angular 7.
* Created Single Page Applications with HTTP requests using Angular 8, Node JS and Promises, Rx JS Observable to generate continuous and responsive Web apps, handle multiple values over time without page reloads.
* Extensively used Angular-cli to generate components, routes, services, pipes and to run tests.
* Worked with HTML5, CSS3, JSON, JavaScript, ReactJS and ES6   for developing user interface.
* Used various bootstrap components like accordion, date picker, time picker, alert, and buttons, modal and react-bootstrap components.
* Used Java 8 new features like Lambda expression with functional interfaces, default, static methods.
* Developed UI of the application using Angular, JavaScript and, JQuery.
* With the concept of ReactJS Worked on usage metrics and end-to-end events tracing for analysis purpose.
* utilized all java 8 predefined functional interfaces like Predicate, By Predicate, Function, By Function, Consumer, By Consumer, Supplier, used primitive type predefined functions and java 8 Method Reference.
* Utilized Java 8 features such as Stream API, Date Time API (JODA Date Time) for Bulk data operation, input data validation on Collections, which would increase the overall performance and readability of the Application.
* Worked with Passport and JSON web tokens for authentication and authorization security configurations using Node.js.
* Worked with npm commands and using package. JSON for managing dependencies and dev-dependencies of node js applications.
* Utilize NPM (Node Package Manager) to install modules, manage dependencies, and test overall project.
* Utilize asynchronous programming with NodeJS (async/await and promises).
* Implemented   micro services using spring boot, and enabled discovery server using Netflix eureka server.
* Configured Spring Security and Spring Boot to validate the users, Used OAUTH2.0 to provide authentication and authorization for all the micro services by exchanging JWT Access tokens, used Netflix Zuul as an API gateway.
* Monitored service health check from Spring Boot admin console using swaggered UI registered micro services.
* Implemented Spring Cloud auto configs for micro services used spring boot Ribbon for Dynamic Routing and Load Balancer, Hystrix as Circuit Breaker, Zuul as an Edge proxy.
* Converted a monolithic app into micro services architecture using Spring Boot using 12-factor app methodology.
* Generated Metrics with method level granularity and Persistence using Spring AOP and Spring Boot Actuator.
* Published, consumed messages to and from the Kafka topic using most advanced API’s for the stateful and stateless transformations, Kafka Connectors API and Kafka Schema API.
* Used subjects, single and connectable observables in RXJava.
* Experienced with event-driven and scheduled AWS Lambda functions to trigger various AWS resources.
* Developed Java API to interact with the Amazon SQS used in sending bulk emails.
* Researched Kubernetes deployment strategies for exposing Services through Kubernetes Ingress.
* Configured Artifactory to be exposed as internal enterprise Docker registry.
* Created Maven builds to build and deploy Spring Boot micro services to internal enterprise Docker registry.
* Used PL/SQL for views, indexes and stored procedures in oracle database using TOAD and Query optimization.
* Worked with several testing frameworks such as JUnit, Easy Mock, Mockito and Power Mock.
* Used Junit for unit testing and implemented with Log4j to provide logs of exceptions.
* Used Git for version control and JIRA for bug Tracking and Project Management.
* Worked with JAXB parser for marshalling and Unmarshalling XML data.
* Used automated Ant build scripts to package, compile the application, and used Log4J for Logging in project.
* Maintaing Code coverage AS 80% and Integrated the JACOCO plugin for HTML report of code Coverage
* Worked on creating new policies in apigee for connecting to different server based on request header

**Environment:** Java/JDK 1.8, J2EE, Spring 4, Hibernate 5.4.15, Spring Boot, JPA, JavaScript, AngularJS, HTML 5.0, CSS3, Apache Tomcat, STS, Oracle 11g, Log4J, JUnit, Easy Mock, Web Services, SOAP UI, Kafka, Netflix Eureka, Netflix Ribbon, AWS, Ant, Git, PL/SQL, Docker.

**Client: Bank of America, San Francisco, CA** **Jun 2021 – Jul 2022**

**Role: Senior Java Developer**

**Responsibilities:**

* Developed and tested modules using Agile (SCRUM) methodologies and developed Technical design documents.
* Responsible for developing the UI pages using Angular 4/8, HTML5, CSS3, JavaScript and Bootstrap.
* Used various Angular 2/4 custom pipes, directives, developed reusable modules, components, and templates.
* Worked with Angular 2 to develop single page applications, used JASMINE, protractor in unit testing angular modules.
* Created Typescript reusable components, services to consume REST API's using Component-based architecture provided by Angular 2, migrated an application developed in Angular Js to Angular 5.0.
* Improved source code maintenance, which resulted in significant code reduction, ease of upgrade, scalability, ease of developer spin and superior performance by refactoring existing Angular2 application.
* Implemented HTTP requests using RxJS Observable library to handle multiple values over time.
* Involved in writing Thread safe blocks for Multithreading access to make valid transactions.
* Designed and developed processes using Multithreading to make asynchronous.
* Worked on observables, group by and filters in Java.
* Developed user interface by using the Angular, React JS for SPA development.
* Implemented react JS code to handle cross browser compatibility issues in Mozilla, IE 7, 8, 9.
* Used React-Router to turn application into Single Page Application
* Worked in using Angular components, Forms, Events, Keys, Router and Animations.
* Developed modules using Core Java APIs, Collections, Java 1.8(Streams), Multi-threading, Stream API, Collection API, Transaction Management, Exception Handling, Generics, Enums, Java I/O streams and designs patterns.
* Followed Agile with JIRA for a 2-week release approach of development/deployment strategy.
* Worked with Advanced Java 1.8 features like Lambda for adding functionality processing capability and Stream API to facilitate pipeline processing and method to eliminate elements based on the criteria.
* Implemented REST Micro services using spring boot to maintain Dynamic UI.
* Generated Metrics with method level granularity and Persistence using Spring AOP and Spring Actuator.
* Deployed the Application into Docker container and made easily accessible at runtime using Cloud Foundry and other cloud services like AWS, Netflix Eureka, Spring Hystrix as fallback method, Spring Ribbon for load balancing and a broker service to maintain status using Spring Kafka and Zookeeper.
* Integrated Swagger UI and wrote integration test along with REST document.
* Implemented spring modules like Controller, DI/IOC, Auto wiring, Spring security, AOP and AspectJ.
* Enterprise level web applications were supported by building spring based Java and micro services.
* Published and consumed messages from Active MQ. Integrated Active MQ services with spring boot Beans.
* Hibernate DAO classes were developed to retrieve and save data using spring framework manager classes.
* All the functionality is implemented using Spring IO / Spring Boot and Hibernate ORM, Worked with AWS.
* Implemented Java EE apps using Spring MVC, Spring IOC, spring transactions and spring security modules.
* Kubernetes were used as the best ecosystem to deploy and manage Micro services.
* Developed CI/CD system with Jenkins on Kubernetes container environment utilizing Kubernetes.
* Developed Hibernate with Spring Integration as the data abstraction to interact with the database of Mongo DB.
* Ant is used for building the application EAR, helped resolving merge conflicts in Bitbucket for team members.
* Log4J is used for logging purposes and debug levels are defined for controlling what we log.
* Writing Unit test cases using JUnit testing framework and performed unit and system testing.

**Environment***:* java 1.7, React Js, Bootstrap, HTML5, JavaScript, CSS3, Ajax, Spring 4.x, Hibernate 5.x, Git, Aws, Web Services, JMS, AWS, TestNG, JSON, Ant, Log4j, Spring Cloud Netflix, Config Server, Eureka Server, Hystrix, Discovery Client, Ribbon, Zuul Proxy, Agile.

**Client: World Bank, Washington DC Mar 2019 – May 2021**

**Role: Java Application Developer**

**Responsibilities:**

* Designed and development applications using Angular and JAVA.
* Devised and developed the project using MVC design pattern.
* Business components using spring framework and DAO classes using Hibernate framework for persistence management.
* Established UI for customer service modules and reports using JavaScript, Angular charts ad AG-Grid.
* Used Java Collections to compare and manipulate data.
* Crafted and developed persistence service using Hibernate framework.
* Utilized Hibernate as the ORM mapping tool and worked with Hibernate Query Language (HQL).
* Formed Hibernate configuration file, Hibernate mapping files and defined persistence classes to persist data into the Oracle database.
* Implemented trade lifecycle for derivatives to value the assets.
* Worked on advanced Hibernate associations with multiple levels of caching and lazy loading.
* Used auto wiring in Spring to automatically perform dependency injection.
* Constructed data access objects to access middleware Rest Web Services.
* Configured and integrated JSF, spring and Hibernate frameworks.
* Wrote PL/SQL procedures to accept parameters, which were passed by IBM MQ Series used for database insertion for Oracle database.
* Helped with performance tuning of PL/SQL statements.
* Produced database triggers and procedures to update real-time cash balances.
* Used maven build tool to compile Java classes and create jar, performed unit testing and packaged them into ear files. Wrote scripts for pulling data from the customer servers using sftp utility in Linux.

**Environment**: Java/J2EE, JMS, JSP, Struts, Spring, Hibernate, HTML, IBM MQ Series, WebSphere 5.1.2, Ant, Oracle 9i, Eclipse, JUnit, JavaScript, RUP,SOAP, Rest Web Services, Linux, Rest Web Services.

**Client: Bose, India Jul 2015 – Oct 2018**

**Role: Sr. Java Developer**

**Responsibilities**

* Designed and developed the application using agile methodology.
* Wrote technical design document with class, sequence, and activity diagrams in each use case.
* Used Intellij Gradle for the source code development.
* Developed code using spring framework and angular for cost optimizer application
* Used core java concepts multi-threading processes, components and Apache Active MQ for messaging.
* Used Spring IOC, Dependency Injection (DI), and integrated with Spring ORM for data persistence.
* Used Spring AOP for instrumenting the logging feature using crosscutting concerns.
* Integrated DB with hibernate framework.
* Fixing bugs and maintenance support like MQ message re-processing during exceptions, debugging and supporting QA during QA phase.
* Implemented Restful web services.
* Created Wiki pages using Confluence Documentation.
* Created and maintained process development by defining user stories and maintaining them on JIRA software.
* Installed Kafka on the cluster and configure producer and consumer coding part in java to establish a connection from source to HDFS with popular hash tags, Experienced in messaging systems Kafka, Kafka event Sourcing.
* Coordinate with other teams for the best integration with other/external modules as and when required.
* Prepared Production implementation documents.
* Implemented ActiveMQ messages for the communication across applications.
* Implemented Restful web services, prepared unit tests using JUnit, Used Hibernate for developing the DAOs.
* Wrote SQL queries, Pl/sql stored procedures, and triggers for automating the data synchronization. Used Perforce for version controlling.
* Involved in Unit testing, bug fixing, and achieved the maximum code coverage using JUNIT test cases.
* Implemented performance tests using Apache JMeter .Monitored the error logs using Log4J.
* Produced automation scripts for invoking and monitoring batch jobs using UNIX shell scripts, Perl scripts.
* Used Jenkins for continuous integration and auto deployment.
* Constructed build and deployment scripts using Maven and automated the deployment process using Jenkins.
* Supported application through UAT and post-production phases.

**Environment**: Java, Angular, Gradle2.2.1, Hibernate3.X, spring, IBM ActiveMQ, Oracle, Apache Tomcat Server, Maven, Eclipse, Test NG, Log4J, JMS, HTML, Jenkins, IntelliJ.

**Client: Mutual Mobiles- Hyderabad, India Jul 2013 – Jun 2015**

**Role: Java Developer**

**Responsibilities:**

* Involved in the development of back end using core java features such as collections, Generics and Exception handling.
* Configured Spring MVC for the data communication between front end and mid-tier to handle request from the user and call the back-end services
* Developed code for obtaining bean references in spring framework using Dependency Injection or Inversion of Control
* Integrated the middle tier using Spring framework with the Hibernate ORM framework
* Responsible for maintaining tables of users' information. Configure Hibernate Mapping in XML file.
* Performed CRUD operations like Update, Insert and Delete data in MongoDB.
* Worked on MongoDB database concepts such as locking, transactions, indexes, and replication.
* Implemented DAO to maintain data layer and used stored procedures.
* Used Hibernate for database operation such as query, update and delete in order to fulfil user's requests.
* Design the Graphical User Interface (GUI) of the project using HTML, jQuery, JavaScript, CSS to improve visual effect on the dynamic front-end
* Validate front-end input using JavaScript, Ajax and jQuery
* Developed the User Interface for Audit, Monetary Destination, Non-Monetary Destination and Customer modules using Hibernate and HTML.
* Created RESTful based web services using JAXRS to provide result and generate monthly payment details.
* Client-side scripts using JAVA, JSP, and JavaScript.
* Developed various unit test using JUnit for Integration and Functional testing
* Implemented various confirmation email and report emails using Java Mail technology.
* Used GIT for version control across common source code used by developers.
* Interacted with users to present the new features of the system.

**Environment:** Java, J2EE, Spring, Spring MVC, jQuery, MongoDB, Hibernate ORM, DAO, HTML, jsp, Java Mail, REST, Ajax, JavaScript, GIT