**Gowtham. M**

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**Professional Experience:**

* Having around 8 years of experience in Core Java with strong understanding and working knowledge of Object-Oriented Concepts like Inheritance, Polymorphism, Exception Handling, Multi-Threading, Concurrency framework, Generics, Collections, Custom data cache.
* Experience in working in environments using Agile (SCRUM) and Test-Driven Development (TDD) development methodologies.
* Experience with Core Java concepts like Collections Framework, multithreading, memory management.
* Used Test-Driven Development (TDD) principles to develop the features for clear and maintainable codebase.
* Implemented Spring security to the web application and deployed in the IBM WebSphere application server 9.
* Good experience in J2EE Testing in developing test cases with JUnit, MOCKITO for Unit testing, and logging using Log4j.
* Implemented MVC architecture using JSP, Spring, Hibernate and used Spring Framework to initialize managed beans and services.
* Strong Experience in database design using PL/SQL to write Stored Procedures, Functions Triggers and strong experience in writing complex queries, using SQL Server and MySQL.
* Extensively used Jenkins as Continuous Integration tools to deploy the Spring Boot with Microservices to Pivotal Cloud Foundry (PCF) using build pack.
* Extensive professional experience in Developing and Deploying enterprise applications on web/application servers such as JBOSS EAP 5.1, Tomcat 5.x/4.x, IBM WebSphere 6.x/7.x, Web Logic under Windows OS and UNIX.
* Migrated the application running in WAS7 to WAS9 by upgrading the jars in ivy.xml and updating the code to java 8.
* Experience in developing Kafka Stream applications using Kafka APIs. Implemented Producer and Consumer API to publish and consume data from topics respectively.
* Experience in using Jenkins tool for CI/CD deployments and used UCD (urban code deployment) for deployment of application in DEV, UAT and Prod environments.
* Proficiency in implementing machine learning algorithms using supervised learning and unsupervised learning.
* Implemented a model to detect the handwritten digits in the document using Python, NumPy, TensorFlow libraries.
* Developed a recommendation system, face recognition system using R and Python.

**Technical Skills:**

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| Languages | Java 8/ J2EE, JDBC, Shell Scripts, HTML, Java Script, SQL and PL/SQL, |
| Frameworks | Spring 4.3, Hibernate 4.3, Kafka, Angular 6/8, Struts 2.x/1.x, Log4J |
| Web Technologies | HTML/HTML5, DTHML, XML, Bootstrap, JSF, CSS, SERVLETS 3.1, JSP 3.0, JavaBeans 3.0, Java Servlets API 3.0, AJAX, ReactJS |
| Application/Web Servers | Apache Tomcat 8, IBM WebSphere 8.x/9.x, Jetty, Jenkins 2.50, JBoss, Tomcat 5.0/6.0/7.0, Glassfish, Wild Fly |
| Relational Databases | Oracle 8i/9i/10g/11g, SQL server 2012/2014/2016, MySQL 5.7, DB2 11.1 |
| Web Services | JAX-WS, JAX-RPC, JAX-RS, SOAP, WSDL, UDDI, REST, SOAP UI |
| Cloud Environments | PCF |
| Operating Systems | Windows, MS-DOS, UNIX, Mac OS, Linux and Ubuntu |
| Testing Tools | Junit 4.12, Jenkins, JIRA 7.0., Bugzilla 4.4.12, Jasper Reports 6.0 |
| Methodologies | Agile, waterfall, TDD (Test-Driven-Development), Scrum, SDLC |
| IDE Platforms | Eclipse, Edit plus, Notepad ++, TEXT PAD, JBuilder, Net Beans 8.0.2, Intellij 2017.1, Spring Tool Suite (STS) 3.8.3, GITHUB 2.12.0 |
| Build tools | Ant 1.10, Maven 3.3.9, Gradle 3.4.1 |
| Case Tools | Rational Rose, UML, OOAD, RUP |

**Professional Experience:**

Client: Cox Communications

Location: Atlanta, Georgia

Role: Sr. Java Full Stack Developer

Project Duration: August 2022 - Present

**Responsibilities:**

* Involved in various phases of Software Development Life Cycles (SDLC) like Design, Development and testing phases.
* Involved in creating and Deployment of REST API and Microservices in Java J2EE using Spring Boot.
* Implementation of authentication for Restful web services using Spring Boot Security Starter.
* Used JDBC to connect to the MS SQL Server database and JNDI to lookup administered objects.
* Developed Producer APIs to read the feed files (JSON) and publish the products to Apache Kafka topic by using custom Serializers.
* Involved in Designing the Database Schema and writing the complex SQL queries.
* Generated DAO’s to map with database tables using Hibernate. Used HQL (Hibernate Query Language) and Criteria for database querying and retrieval of results.
* Used Maven for generating system builds and Jenkins for continuous integration. Implemented spring security using OAuth2.
* Developed frontend and backend modules using Python on Django web frameworks.
* Junit was used for unit testing and implementing Test Driven Development (TDD) methodology.
* Used software versioning and revision control system GIT to maintain versions of Codebase. Used Log4J to capture the log that includes runtime exceptions.
* Used JIRA Board for project management as part of AGILE methodology.
* Participated in Retrospective meetings after every sprint to discuss about the overall ranking of the pervious sprint and to discuss about the drawbacks and scope for development.

**Environment:** Java 1.8, Spring Boot, Spring IOC, MVC, Hibernate, Angular 2/4/5, Microservices, Bootstrap, HTML5, CSS4, Kafka, JSON, Ajax, Eclipse, Web Services – SOAP, WSDL, REST, XML

Client: Dollar General

Location: Goodlettsville, TN

Role: Sr. Full Stack Java Developer

Project Duration: April 2021 – July 2022

**Responsibilities:**

* Followed AGILE Methodology to promote iterations, collaboration, and process adaptability and participated in SCRUM Meetings throughout the life cycle of project.
* Experience in Core Java concepts such as OOP Concepts, Collections Framework, Exception Handling, I/O System, Multi-Threading.
* Exposed spring Controller End points based on business requirements.
* Resolved several bean exceptions errors in the application by upgrading the jars in IVY.xml.
* Used spring Data Rest to expose the APIs based on the models and entities.
* Experience with Java 8 features such as lambda expressions, Parallel operations on collections and for effective sorting mechanisms and Generics.
* Migrated the WAS7 application to WAS9 by making the code compatible to Java 8.
* Used H2 as an in-memory data base for testing services in local.
* Implemented configured and customized JIRA issue tracking software with agile plug-in across all company functions.
* Used UCD tool to deploy the EAR file in the WAS9 server and ensuring the successful implementation in DEV, UAT and Prod environments.
* Resolved all the Checkmarks and SonarQube issues to make code base secure and protected from third-party threats.

**Environment:** Java, JEE, Spring, Hibernate, JSP, Servlets, Eclipse, Angular, Redux, JavaScript, HTML, CSS, SQL, Tomcat, Restful Services, WebLogic, JUNIT.

Client: SEI

Location: PA, USA

Role: Sr. Java Developer

Project Duration: January 2020 – March 2021

**Responsibilities:**

* Developed a License management system using Spring Framework, hibernate following the MVC architecture.
* Developed the application using struts Framework that leverages classical Model View Controller (MVC) architecture.
* Developed Controller Servlets, Action, and Form objects for process of interacting with MySQL database and retrieving dynamic data.
* Involved in Documentation and use case design using UML modeling include development of Class diagrams, Sequence diagrams, and use case Transaction diagrams.
* Developed HTML and JSP pages using Struts.
* Deployed the applications on Apache Tomcat Server.
* Responsible for dealing with problems, bug fixing and troubleshooting.
* Analyzed and modified the VBA macro code in a macro driven excel based application.
* Performed the POC to automate the manual processing of Excel files Using Python scripts. Generated 100s of files with a template using Python.
* Played key role in finding the root cause for the high priority issues and fixed them in less time.

**Environment:** Java, JEE, Spring, Hibernate, JSP, Servlets, Eclipse, React.js, Redux, JavaScript, HTML, CSS, SQL, Tomcat, Restful Services, WebLogic, JUNIT.

Client: TECHLAP SOLUTIONS LIMITED

Location: Hyderabad, India

Role: Java Developer

Project Duration: July 2016 – December 2019

**Responsibilities:**

* Worked on Lambda Expressions, Functional interfaces Stream API's, Time API, and Improvements on Collection, Concurrency, and IO improvements by using Java 8.
* Developed and implemented Restful Web APIs, and exposes endpoints using HTTP methods like GET, PUT, POST and DELETE.
* Implemented multi-threaded synchronization processes, with JMS queues for consumption of Asynchronous requests.
* Implemented light weight WADL (Web application description Language) for better understanding of Rest based web services and its configuration.
* Used multithreading for writing the collector parser and distributor process, which was getting real-time data from Zacks API in format of JSON, using multithreading improved the performance by a lot. Moreover, using concurrency package of collections made it thread safe.
* Used SOAPUI to test for sending and receiving XML data and worked with JMS Queues for sending messages in point to point mode communication.
* Performed unit testing using JUNIT framework and tested DAO's and Business Services
* Provide 24x7 support to the application in pilot and production phases. Support included being on conference calls, identifying and fixing bugs, investigating reasons for specific application behavior.
* Written complex SQL queries, Stored Procedures and Functions in PL/SQL for manipulating the data.
* Developed Servlets for server-side transactions and made use of AJAX for server-side processing without refreshing the JSP page.
* Used AJAX and JavaScript for Client-side validations.
* Created Web User Interface (UI) using HTML5, DHTML, table-less XHTML, CSS3 and Java Script that follows W3C Web Standards and are browser compatible.
* Used HTML5 wireframes with CSS provided by the design team. JS is used to make it dynamic
* Used JavaScript, HTML, JSP pages for developing front end UI and wrote application level code to perform client-side validation.
* Designed new classes and functionalities using various JQUERY components for CRM application for customer service.
* Migrated technology from Angular 1.0 to Angular 2.0 to use upgraded features such as Angular Components and Angular Routers as per the strategy requirement.
* Developed application using Spring JPA, Angular 2.0 on the presentation layer, the business layer is built using spring and the persistent layer uses Hibernate.
* Experience in implementing MongoDB CRUD (Create Read Update Delete) operations by using Mongoose library in Node-JS including Angular JS.
* Extensive professional experience in Developing and Deploying enterprise applications on web/application servers such as JBOSS EAP 5.1, Tomcat 5.x/4.x, IBM WebSphere 6.x/7.x, Web Logic under Windows OS and UNIX
* Implemented AngularJS Controllers to maintain each view data. Implemented Angular service calls using Angular Factory with Dependency Injection to prevent scope conflict commonly found with JavaScript.
* Used Message body Writer for converting Java types streams.
* Built Java Security Aplite adds security and authentication to my application.
* Used Maven for compiling and building the code.
* Used Subversion for configuration Management and Jira for task management and bug tracking.
* Extensively used Jenkins as Continuous Integration tools to deploy the Spring Boot with Microservices to Pivotal Cloud Foundry (PCF) using build pack.
* Deployed our application on Pivotal Cloud Foundry (PCF) which is used to reduce the development overhead by providing a ready to use platform.
* Involved in bug fixing during the System testing, Joint System testing and User acceptance testing. Deploying the applications and binding third party services like AppDynamics on Pivotal Cloud Foundry (PCF).
* Experience in generating Reports and Dashboards on Dynatrace and Splunk
* Configured Bamboo to handle application deployment on Cloud (PCF) and to integrate with GitHub version control.

**Environment:** Angular JS, HTML5, CSS3, AJAX, Bootstrap, JSON, XML, Active MQ, JMS, Hibernate, DB2, SOAP-AXIS2, Restful services, JAX-RS SOA, Eclipse Java EE IDE Neon.3, Git, Log4j, DB2, Maven, PCF

Client: Slack Systems

Location: India

Role: Java Developer

Project Duration: Jan 2016-June 2016

**Responsibilities:**

* Designed, coded and tested key modules of the project using java oops concepts, J
* Developed intermediary methods to retrieve data being sent to and from an object.
* Found and solved problems within the system to make it more efficient.
* Experienced in software development using SDLC Software development life cycle methodologies, Object Oriented Technologies, UML, Agile methodologies such as Extreme Programming XP, Scrum.
* Played key role in the design and development of application using J2EE, Struts, and spring technologies/frameworks using Service Oriented Architecture (SOA).
* Consumed third party web services APIs and Web Services using AJAX and jQuery.
* Implemented SOAP Web Services for Data Ordering information with external vendors.
* Used SOAPUI for testing web Services with different end points. Involved in implementing enterprise SOA application projects.
* Strong Experience in database design using PL/SQL to write Stored Procedures, Functions Triggers and strong experience in writing complex queries, using SQL Server and MySQL.
* JDBC was used to make connections to MYSQL and retrieve necessary data from it.
* Used Log4J for error tracking.
* Tested and deployed the application on Tomcat Application Server.
* Experienced in using Front End editors like Dreamweaver, Sublime Text2 and Microsoft Expression Web
* Significant experience in web development tools like APTANA STUDIO, Adobe Dreamweaver CS3, CQ5, Spring Tool Suite, Eclipse
* Good knowledge in the configuration management and version control software like SVN.

**Environment:** Angular JS, HTML, CSS3, REST Services, Structs, SOA, JavaScript, jQuery, Git, Eclipse Java IDE.