SARITHA MALLAM

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Professional Summary

- Having 7 Years of experience as a Java/J2EE Developer in developing high-level architectural design, determined project feasibility by analyzing user needs and software requirements. Created top-quality project plans and technical specifications. Generated system and use case designs including class, sequence and deployment diagrams and flow charts.

- Experience with various J2EE design patterns like Singleton, Command, Factory, Observer, Front Controller, DTO, DAO, MVC, Session Facade, Business Delegate, Service Locator, Transfer Object and View Object in the development of enterprise applications.

- Experience in building Enterprise Applications and Distributed Systems using technologies such as Core Java, J2EE (Servlets, JDBC, JSP, JSF, EJB, JPA, XML), Spring Framework and Hibernate Framework.

- Good knowledge in Spring Framework, Object Relation Mapping using Hibernate.

- Web application using HTML5, CSS3, JavaScript, Bootstrap, JSON, Ajax, Custom Tag Libraries, JSF, jQuery and various java design patterns. Hands on experience with processing XML using SAX and DOM.

- Expertise in J2EE application development using Core Java, J2EE, EJB, Ext JS, Spring MVC, Spring Boot, Microservices, RESTful Web Services, MongoDB, Netflix APIs, Hibernate, Design patterns, AJAX, SOAP, Servlets, JDBC, JSP, XML, JAXB, HTML, SQL, CSS, JavaScript, Bash Scripting, Mark logic.

- Strong at Internet Programming with HTML, DHTML, AJAX, Java Script, AngularJS, Backbone JS, CSS, XML, XSLT.

- Extensive experience with Servlets, JSPs, Struts, Frameworks, Validation Frameworks, JavaScript, DOJO, jQuery, CSS, XML and HTML for designing view controller components. Strong Skills for writing reusable JAVA libraries.

- Extensive work experience using Web Services (SOAP, WSDL, UDDI) and Service Oriented Architecture (SOA) such as Apache Axis web services which use SOAP, WSDL. Exposure to JAXB & JAX-WS.

- Experience using Design Pattern: Session Facade, Value Object, Business Delegates, Singleton, Factory, Service locator and Data Access object pattern. Extensive Knowledge on databases like Oracle, MySQL.

- Strong experience in XML, XSL, XSLT, Web Services (SOAP, WSDL, UDDI), DTD, DOM Parsers API.

- Extensive experience in designing, developing and deploying J2EE applications on Web Sphere Application server, WebLogic, Apache Tomcat, JBoss etc. Proficiency with relational databases / SQL development.

- Experience in writing complex SQL Queries, Stored Procedures, Triggers, Cursors, and Functions.

- Extensive usage of different IDEs like Eclipse, Rational Application Developer (RAD), WebSphere Application Developer (WSAD) Spring Source Tool Suite (STS), IntelliJ, and Visual Studio.

- Experience in unit testing the applications using JUnit Framework and developed logging and standard mechanism based on Log4J and Slf4J.

- Working experience on NOSQL databases like Mongo DB, Cassandra.

- Involved in Production Support.

- Goal Driven Developer with comprehensive understanding of various software development approaches such as SDLC, Waterfall and Agile Scrum methodology.

Skills

Programming Languages: Java 8, Scala, JDK, J2EE, SQL, PL/SQL, UML, Design Patterns, Shell Scripts

Java Technologies: Servlets2.5, JSP, EJB3.0, JDBC4.0, JNDI, Web services

Web/Application Servers: Apache Tomcat, BEA Web Logic, JBoss, IBM Web Sphere

Frameworks: Jakarta Struts1.1/2.0, Spring3.0/4.0, JBoss, JSF

ORM Frameworks: Hibernate, JPA

RDBMS: Oracle 8i/9i/10g/11g, SQL Server, MS Access, DB2, MySQL

IDE's: IntelliJ, Eclipse, My Eclipse, Net Beans 6.8

Data bases: Oracle, Microsoft SQL Server, MySQL,

Web Technologies: HTML/DHTML, AJAX (DWR), CSS, XML, XSL, XSLT, SAX/DOM

Scripting Languages: JavaScript, Shell Script

Operating Systems: UNIX, Linux, Windows

Version Control Tools: SVN, Git. Github.

Work History

Full Stack Developer   Nov 2018 – Current

NextGen Healthcare   Houston, TX

- Involved in all the software development life cycle phases like requirement gathering, design, development, and testing.
- Consumed and Exposed REST based Micro services with Rest template based on RESTful APIs
- Implemented validation rules using Spring framework.
- Worked on Spring Boot to build REST APIs for some modules of the business layer.
- Used Java8 features like streams and Lambda expressions
- Wrote several SQL queries PL\SQL Stored procedures, Functions, triggers to interact with Oracle 11g.
- Worked with Git as a version control tool and Maven as a build tool.
- Worked on Angular 8 where the controllers will be handling the events.
- Developed application frontend using Angular 8 and Bootstrap CSS for styling.
- Used S3 buckets to store the data and moved the old data into Glacier.
- User Docker for containerization and deployed the microservices on AWS ECS.
- Implemented the Design Patterns for Database independency
- Implemented the security using OAuth with JWT
- Wrote Unit test cases using Junit and Mockito.

● Used JMS as Messaging Service to handle communication between asynchronous requests.

● Assisted test analysts in functional testing using Swagger, Postman

● Extensive experience working under Agile methodologies environment (scrum, Kanban).

● In Additional worked on data migration from one Cassandra database to snow sql. well experience in understanding Google programming language and writing sql coding.

Environment: Java8, JavaScript, Angular 8, Apache Tomcat, HTML5,CSS3,Angular 8, SQL, PL/SQL, Postman, Mockito

Full Stack Developer   Jun 2017 - Oct 2018

National Oilwell Varco   Houston, TX

• Involved in the integration project, which involved integrating the existing LIFE/70 mainframe application into Internet technology. Responsibilities include:

• Gathering and analyzing user requirements

• Developed using new features of Java 1.8 annotations, Generics, enhanced for loop and Enums.

• Used Bootstrap library to build application UI's, used AngularJS to associate HTML elements to models.

• Designed configuration XML Schema for the application and used JavaScript for the client-side validation.

• Used jQuery and AngularJS JavaScript to provide dynamic User Interface and for the client-side validations.

• Extensively used MVC, Factory, Delegate and Singleton design patterns.

• Developed REST Web Services clients to consume those Web Services as well other enterprise wide Web Services Used Spring Security for session fixation, clickjacking, cross site request forgery.

• Used Spring inheritance, Auto-wiring, Core Containers, ORM modules as part of migration from EJB to Spring, Spring Quartz for scheduling tasks to generating reports and emails to clients.

• Used Jenkins plugins for code coverage and also to run all the test before generating war file Implemented an automated functional testing suite and increased test coverage from 20 to nearly 80. Used Mockito for tests and Jenkins for CI.

• Used Spring Framework AOP Module to implement logging in the application to know the application status.

• Strong hands-on experience with Spring IO, Spring Boot.

• Implementing or exposing the Micro services to base on RESTful API utilizing Spring Boot with Spring MVC.

• Used advanced java 8 features like Lambda expressions for array operations, collections. Enhanced concurrency methods etc. throughout the application for well-defined programming.

• Worked on SOA Web Services using SOAP with JAX-WS for large blocks of XML data over HTTP.

• Developed microservices with Spring Eureka to retrieve API routes for the entire cluster. Using this strategy each microservice in a cluster can be load balanced and exposed through one API gateway.

• Performed configuration, deployment and support of cloud services including Amazon Web Services (AWS).

• Developed API for using AWS Lambda to manage the servers and run the code in the AWS.

Java Developer

Feb 2014 - Jun 2017

World Fuel Services

Webster, TX

• Involved in Analysis and Design of the Project, which is based on MVC (Model-View-Controller) Architecture and Design Patterns. Involved in developing prototypes of the product.
• Effective use of hibernate (ORM tool) in the business layer in communicating with the Spring DAO and developed mapping files and POJO java classes using ORM tool. Wrote JavaScript validations on the client side.
• Created UML Use Cases, Sequence diagrams, Class diagrams and Page flow diagrams using Rational Rose.
• Designed and developed UI using HTML, JSP and Struts where users can see all services provided.
• Planning, analysis, design and implementation of different modules using Agile (Scrum) Methodology.
• Designed and Developed Module based persistence layer under the guidance of DAO design pattern, ORM/JPA principles, using Hibernate. Designed GUI Components using Tiles framework and Validation frame work.
• Configured different layer (presentation layer, server layer, persistence layer) of application using Spring IOC and maintained the Spring Application Framework's IOC container.
• Using Spring IOC (Dependency Injection) developed Java beans with getter and setter properties to be configured by Spring. Involved in writing Detail Design Documents with UML Specifications.
• Responsible for coding SQL Statements and Stored procedures for back end communication using JDBC.
• Developed Java modules to interact Front end layer with Search engine to fetch information to the site.
• Parsing of XML documents was done using SAX and XML transformation was done using XSLT.
• Involved in unit testing and system testing and responsible for preparing test scripts for the system testing.
• Responsible for packaging and deploying components into the Tomcat.
• Developed backend components, DB Scripts for the backend communication.
• Used Rocket JDK to develop and run the underwriting workbench application.
• Used XML SAX to parse the simulated xml file that has simulated test data.
• Responsible for bug fix code check-in and integration of the code with other components.

Education

Master of Science: Microbiology

University of Madras

Chennai, India

Bachelor of Science: Microbiology

University of Madras

Chennai, India