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# Lakshmi Bommareddy

Java Full Stack Developer

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**PROFESSIONAL SUMMARY:**

* Around**10 years** of progressively responsible experience in development, testing, documentation & production support applications using Internet, Web and Client Server Technologies in N - Tier J2EE Architecture.
* Experience in Test Driven Development**(TDD), Waterfall model**and **Agile methodologies**like **SCRUM.**
* Expertise through all parts of Software Development Life Cycle (**SDLC**) in developing web applications using **JAVA, J2EE, EJB, Web services, SOA, SOAP, RESTful etc**.
* Extensive hands-on experience with core expertise in design, development, and deployment of N-Tier enterprise applications for the J2EE platform using **Core Java, Servlets, Struts, Spring, EJB, JSP, Web services, JPA, JNDI, JMS, JAXP, JUnit, JMeter**.
* Expertise in spring framework, including **Spring IoC/core, Spring DAO support, Spring ORM, Spring micro services, Spring AOP, Spring Security, Spring MVC, Spring Cache, and Spring Integration, and Spring Boot, Spring REST, Spring Eureka, Spring Ribbon, Spring Netflix, Spring Zulu.**
* Experience of working on **GIT** and **SVN**.
* Experience in **Selenium** Web Driver automation tool with **TestNG** framework using Java.
* Hands on experience in Front-End technologies like **Angular Js 1.4.7, Bootstrap 3.1, HTML5, JavaScript, CSS3, J Query, Google Web Toolkit (GWT), Tag Libraries, Custom Tags, Ajax and Node JS and ExtJS.**
* Expertise in designing, developing and deploying applications using J2EE technologies including **Servlets, JSP, EJB 2.x/3.x, JSTL, Struts, Spring 3.5, JMS, AJAX, JDBC, JNDI, Java Beans Hibernate and Web Services.**
* Experience in XML related technologies like **XML, DTD, XSL, XSLT, XPATH, JAXB, JAXP, SAX and DOM.**
* Extensive knowledge and working experience of web development technologies such as**JavaScript, J Query UI, AngularJS, Angular2.0, HTML5, CSS3, SASS and Bootstrap.**
* Extensive experience in building rich user friendly, high performance web applications using HTML5/4, CSS3/2, SASS, and J Query and implementing cross-browser style-sheets
* Installed and configured the Web Server and Database Server in **Linux** Platform.
* Extensively worked to build **Model-View-Controller (MVC)** and multi-tier client/server architecture using design patterns like **DAO, DTO** (Data Transfer object), Singleton and Session Façade.
* Experience in using various **Amazon Web Services (AWS**) Components like **EC2**for **virtual servers, S3.**
* Created and supported numerous **Java Swing** and **Servlet** based applications using **Eclipse**.
* Worked on deploying the latest builds in standalone as well as set up the **JBoss** cluster nodes to deploy builds using **JBOSS** Deployment Manager.
* Hands on experience in **NodeJS backend**, using express to build the high concurrency, async web server.
* Proficient in **RDBMS** concepts and worked with **MySQL, Oracle, PostgreSQL, DB2**and NoSQL database such as **MongoDB.**

**TECHNICAL SKILLS:**

* **Programming Languages:**Java/J2EE, SQL, PL/SQL, HTML, DHTML, JavaScript, Perl, UML, XML, XSL, XSLT, J Query
* **J2EE Standards:**JDBC, JNDI, Java Mail, JTA
* **Web Technologies:**JSP, Servlet, JAX-WS, AXIS, REST (JAX-RS), SOA, SOAP, JMS, Bootstrap, EJB, Angular-JS, RMI, IBM MQ Series
* **Databases:**Oracle, MySQL, Sybase, SQL-Server-2022, Mongo-DB, Hadoop
* **IDE's:**Eclipse, Sublime, RAD, WSAD
* **Web/App Servers:**WebSphere Application Server, WebLogic, JBoss, Apache Tomcat
* **Frameworks:**Struts, Node-JS, Spring, JSF, Hibernate, Apache Camel
* **Operating Systems:**Windows, UNIX, Solaris, Red Hat, AIX
* **Version Control Tools:**CVS, SVN, Git, Clear case
* **Tools:** /Utilities Log4j, Ant, JUnit, Maven, Gradle , Jenkins, SOAP UI
* **Methodologies:**Agile (Scrum, TDD), Waterfall
* **Integration:**Apache Camel, JBoss Fuse , Active MQ, Apache ATOM, WESB

**PROFESSIONAL EXPERIENCE:**

**Java Full Stack Developer Jan 2023 - Present**

**CareSource, OH**

**Responsibilities:**

* Currently working on developing new module GPCR for the ConneXion application.
* Actively involved in Analysis, Design, Development, System Testing and User Acceptance Testing. Successfully followed agile methodology in the Scrum Cycle model.
* Designed and developed **API’s** using **REST framework** and **Spring Boot** and used **Bootstrap**along with **ReactJS**in creating the Application.
* Developed the responsive UI web pages using **XHTML, HTML5, CSS3, Angular JS 2, JavaScript, ReactJS**and has worked with Angular JS filters in expressions and directives to filter data in the UI.
* Extensively used **MVC, Factory, Delegate and Singleton design patterns**.
* Used **spring framework** including **Spring core/IoC, Spring Web, Spring Security** and implement the authentication, authorization, and access-control features by using Spring Security.
* Used **Spring Inversion of Control (IoC)** for injecting the beans and reduced the coupling between the classes and implemented the Model View Controller using **Spring MVC**.
* Implemented the application using **Spring Boot Framework** and handled the security using Spring Security.
* Used Jenkins pipelines to drive all microservices builds out to the Docker registry and then deployed to Kubernetes, Created Pods and managed using Kubernetes.
* Used Micro services to communicate using synchronous protocols **HTTP and REST** for implementing SOA.
* Application and developed cross browser and multi browser compatible web pages using **HTML5, CSS3 and Bootstrap.**
* Extensively involved in the development of backend Logics or data access logic using **Oracle DB** and **JDBC**.
* Developed **stored procedures, triggers** and **functions** with **PL/SQL** for Oracle database
* Use of **WebLogic** application server to deploy the application and connect through the data source using **JNDI**.
* Wrote **Unit testing** and **Test suites** using **JUnit framework** for testing the application.
* Used **SVN** for **version control** and **ANT** for **application build**.
* Participated in weekly status meeting for providing the development updates.
* Production support for the application to resolve the issues experienced by the users.
* Developed application service components and configured beans using **Spring IOC**, creation of **Hibernate mapping files** and generation of database schema.
* Used **Hibernate Query Language (HQL)** features like Named Queries for querying the database and using the objects in data access layer.
* Develop innovative and quality solutions by making use of latest tools and technologies like **Apache CXF**, **Spring Core** and **Spring AOP**.
* Also participated in development of new features for the core of the application. This included converting the company's current **SOAP API to Restful web services**.
* Developed **Rest architecture-based web services** to facilitate communication between client and servers.

**Environment:** J2EE, Java , Spring framework, Spring MVC, Hibernate, JSP, AWS, AJAX, SOA, TDD, Web Services, SQL Server, Micro services, XML, Ext JS, NodeJS, AngularJS, Angular, Typescript, J Query, JavaScript, IBM RAD , WebSphere , Agile Methodology, Design Patterns, PCF, Clear Case, Apache Maven, Apache Cassandra, MongoDB, JUnit, Html, Unit, XSLT, HTML/DHTML, JENKINS, Spark,, VXML,IVR.

**Client: WELLS-FARGO, CA June 2021 – Dec 2022**

**Role: Full Stack Developer**

**Responsibilities:**

* Designed and developed the application in sprints using **Agile methodology** and participated in weekly status meetings and daily standups.
* Implemented email framework using **Direct-Send API** (Gumbo). Involved in creating responsive email templates using **Zurb** **Foundation**, SCSS, SASS, CSS, HTML and JavaScript.
* Used **ReactJS** to create views to hook up models to the **DOM** and synchronize data with server as a Single Page Application (**SPA**) and built components library, including Tree, SlideView, Table Grid.
* Involved in fetching **JSON** data with in Orchestration Layer with Spring Boot application and displaying it in the UI using **ReactJS** and followed **ECMAScript** standards for developing.
* Used **React Redux architecture**to create the data layers in the application and to bring the Model View Controller architecture for the application.
* Build user interfaces differently by breaking them into components using **ReactJS** and used a real, full featured programming language to render views, with **ReactJS**.
* Developed the application following **React**-**Redux** architecture and developed **redux reducers**, actions and used **redux-thunk** to perform rest api calls to the backend.
* Used **React JS**to make webpages rendering faster using **virtual DOM** and took part in testing the application components using **JEST**, React test utils and mocked http calls.
* Used **Bootstrap** JavaScript plug-ins to implement Tabs, Scroll Spy, Tooltips, Pop Overs, Buttons and alerts.
* Involved in producing the working connectors for the **RESTful**API’s using spring and Jersey for **JSON** requests and responses.
* Performed **GitHub/GitHub-Desktop** bash and Terminal commands to clone, fetch, merge and push the code and created pull requests for changes that are made.
* Designed enterprise API’s and involved in developing the API’s. Involved in testing API’s using **SoapUI** and **Postman**.
* Increased efficiency of environment setup to become 80% faster by using **Spring Boot** & **Maven** to simplify configuration, development, and deployment.
* Applied standard **Spring Boot** code structure 3 layers (**Domain**, **Service**, **Rest**) to organize the project.
* Design, Develop and Deploy Highly available, highly scalable web applications, Using Various AWS services such as **AWS ECR, Terraform, AWS Aurora backed RDS instance, S3.**
* Configure Code pipelines and write build scripts to deploy UI code. Lead the Migration effort from On-Premise Servers to **AWS**.
* Designed and developed the **back-end** applications and also did some test-case debugging with code coverage as well as runtime debugging with **IntelliJ Idea IDE**.
* Involved in producing happy path code and error handling code for the API’s. Used Spring **Rest Templates**and **Spring Security** **OAuth2** framework for building the smarter clients.
* Involved in developing application using **PostgreSQL**and wrote **SQL** and **PL/SQL** queries to test the data that was sent through the external **REST** **API** calls.
* Used **Jenkins** build for building and deploying of the applications and implemented force builds when the build fails and new **EC2**instances were deployed on **AWS** with the successful build jobs.
* Responsible for debugging, testing, maintaining and deploying the application and used **log4j** for tracking errors and debugging the code. Created test cases to test spring services using **JUnit** and **Mockito** frameworks.
* Developed **Spring middleware**componentsfor implementing business logic and Implemented **SOA** based architecture using web services to build a loosely coupled system.
* Designed and developed **Microservices** business components using **Spring Boot** and used Spring Boot 1.2 various annotations such as @EnableAutoConfiguration, @SpringBootApplication, @EnableScheduling to deploy the spring application.
* Wrote **Technical design document** with the **class, sequence, and activity diagrams** in each **use case** and involved in writing **Spring MVC rest controllers**for UI interactions and server-side validations in the orchestration layer.
* Involved in working with the **QA** to assist in writing test code and **debugging the defects** in the application.

**Environment:**Java 1.8, ReactJS**,**Spring, Spring Boot, Maven, JUnit,Mockito, Node.js npm,Agile, Tomcat server, RESTful Webservices, JPA, JavaScript, ECMAScript, Apache CXF, Hibernate, JMS, PostgreSQL, IntelliJ IDEA, GitHub, AOP, Log4J, AWS.

* Rearchitecting and redesigning the green field project to use microservices and various microservices design pattern so that application can have high available and consistent.
* Design various REST API using spring boot 2 framework.
* Design the CQRS pattern using Kafka streams so the we can bifurcate the read query to another data source.
* Design the bitbucket pipeline to deploy application on AWS EC2 instance using Docker and AWS systems manager.
* Migrate data using Kafka Connectors to Oracle to Kafka and using KSQL fetch data from Kafka topics and pushing data to Elasticsearch.
* Introduction of consul for service discovery, distributed property management with health checks.
* Worked on the AWS EC2 instances to identify which enterprise plan is suitable for the AMEX environment.
* Update sprint tracker with accurate information to identify the risk and issues proactively at the sprint level.

**Java Full Stack Developer**

**FIS, OH Nov 2019 – May 2021**

**Responsibilities**

* Actively involved in Analysis, Design, Development, System Testing and User Acceptance Testing. Successfully followed agile methodology in the Scrum Cycle model.
* Designed and developed **Micro services** using **REST framework** and **Spring Boot** and used **Bootstrap a**long with **AngularJS**in creating the Application.
* Used **NodeJS** for doing non-blocking design operation for server-side code and Angular.js framework in developing various UI components.
* Developed the responsive UI web pages using **XHTML, HTML5, CSS3, Angular JS 2, JavaScript, node JS**and has worked with Angular JS filters in expressions and directives to filter data in the UI.
* Designed and coded application components in an Agile environment utilizing a **Test Driven Development (TDD)**approach.
* Using the **ReactJS**, Flux for SPA development.
* Involved in responsive design and developed a single ISOMORPHIC responsive website that could be served to desktop, Tablets and mobile users using **React.js**.
* Implemented various screens for the front end using **React.js** and used various predefined components from NPM (Node Package Manager) and Redux library.
* Using IVR conducted complete analysis of system and business requirements Used **React**-Router to turn application into Single Page Application
* Involved in using **React JS** components, Forms, Events, Keys, Router, Animations and Flux concept.
* Used **Spring framework** including **Spring core/IoC, Spring Web, Spring Security** and implement the authentication, authorization, and access-control features by using Spring Security.
* Used **Spring Inversion of Control (IoC)** for injecting the beans and reduced the coupling between the classes and implemented the Model View Controller using **Spring MVC**.
* Implemented the application using **Spring Boot Framework** and handled the security using Spring Security.
* Developed **Hibernate**with**Spring**Integration as the data abstraction to interact with the database of **MongoDB.**
* Developed single page applications, components using **Angular JS** directives, controllers, view and routing, service modules.
* Used Micro services to communicate using synchronous protocols **HTTP and REST** for implementing SOA.
* Provide expert technical leadership to customers and partners regarding all aspects of Pivotal Cloud Foundry (PCF).
* Developed single page applications using **Angular , Typescript, HTML5, CSS3, and Bootstrap.**
* Deployed EARs, WARs and configured application specific JVM settings, Web container parameters using the Admin Console and **WebSphere** admin scripts.
* Accomplished Work Load Management by creating Clusters.
* Involved in designing, developing and testing the web application by using the HTML5, CSS3,
* Project migration into cloud environment using AWS, **Docker**container.
* Application and developed cross browser and multi browser compatible web pages using **HTML5, CSS3 and Bootstrap.**
* Implemented code according to create AngularJS Controller, which isolate scopes perform operations.
* Created **Typescript** reusable components and services to consume **REST API's** using Component-based architecture provided by **Angular .**

**Environment:** J2EE, Java , Spring framework, Spring MVC, Hibernate, JSP, AWS, AJAX, SOA, TDD, Web Services, SQL Server, Micro services, XML, Ext JS, NodeJS, AngularJS, Angular2.0, Typescript, J Query, JavaScript, IBM RAD , WebSphere ,,Agile Methodology, Design Patterns, PCF, Clear Case, Apache Maven, Apache Cassandra, MongoDB, JUnit, Html, Unit, XSLT, HTML/DHTML, JENKINS, Spark, Kafka.

**Java Full Stack Developer July 2018 – Sept 2019**

**OTSI (Tekismerg), India**

**Responsibilities:**

* Responsible for gathering and understanding the system requirements by interacting with clients.
* Generated the Class diagrams, Sequence diagrams extensively for all the process flows using RAD, MS VISIO.
* Designed and developed GUI screens for user interfaces using **JSP, JavaScript, XML, HTML5, CSS3, JQuery and DHTML.**
* Developed a **HTTPS** server and implemented features to serve different file types(TLS)
* Extensively involved in coding with **Core Java** concepts like **Collections, Exception Handling, Multithreading**, **Java I/O**, and **Generics** to implement some business logic.
* Used Core, Context, and Security, Bean modules of Spring Framework.
* Implemented **MVC, Singleton, Factory, DAO, Value Object, session, Facade, Data Access Object, Business Object paradigm.**
* Handling orchestration service and **rule engine** which is implemented in **NodeJS**.
* Used **J Query framework** for creating front end applications and for Client Side validations.
* Used **I Batis** for designing, developing and maintain the data layer.
* Created Stored Procedures, SQL Statements and triggers for the effective retrieval and storage of data into database.
* Application developed on **Agile methodologies** scrum and iterative method process.
* Used **Apache Log4J** logging API to log errors and messages.
* Created **JUnit**test suite to automate the testing of the business logic.
* Used **React**-Router to turn application into Single Page Application.
* Used **ReactJS**components, Forms, Events, Keys, Router, Animations and Flux concept.
* Building stable **React** components and stand-alone functions to be added to any future pages.
* Developed the Drag and Drop functionality using **React**-Dragabble.
* Used **React**-Autocomplete for creating Google maps location search on the webpage.
* Involved in 24x7 support, Maintenance, and enhancement of the application.
* Automate the web application using **Selenium**-Automation tools.
* JPA and Spring Rest to provide a Restful Interface based on **Spring Boot** application.
* Worked with business teams on requirements gathering and estimating the efforts for development using **agile methodology** to integrate business line of apps with **SOA** in a seamless fashion.
* Developed the**UML** Use Cases, Activity, Sequence and Class diagrams using **Rational Rose**.
* Extensively worked on business, front end and persistence tier using the **JSP, Servlets, Spring MVC** and **JSON**.
* Developed user interfaces using **JSP, J Query, JavaScript, HTML5** and **CSS3**.
* Used **AJAX** to implement some customizations which required dynamic behavior like controls dependent on user value selection on some other controls.

**Environment:** JDK, Spring framework, XML, HTML, JSP, AngularJS, Hibernate, iBatis, ANT, JavaScript, VSS, XSLT, CSS, AJAX, JMS, Spring Boot, Hibernate, SOAP, Web Services, AWS, Web Sphere Application Server, Tomcat, Oracle DB, MQ Series, JUnit, UNIX.

**Java Full Stack Developer**

**IBM(Tekismerg), India Aug 2012 – June 2018**

**Responsibilities:**

* Design and implemented the backend layer using **Hibernate.**
* Involved in multi-tiered**J2EE** design utilizing Spring Inversion of Control (IOC) architecture and Hibernate.
* Applied design patterns including **MVC Pattern, Façade Pattern, Abstract Factory Pattern, DAO Pattern and Singleton.**
* Made use of content negotiation (**XML, JSON, text/plain**) using **JAXB, GSON, Jackson, and X Stream.**
* Used**J Query** for back-end table of Customers/Orders - for administrators to inspect and edit.
* Extensively used **JMX API** for management and monitoring solutions.
* Involved in developing front end screens using **JSP, JSTL, DHTML, HTML, CSS, AJAX and JavaScript.**
* Developed Web services to allow communication between applications through **SOAP over HTTP using Apache Axis2.**
* Used **Swing** Components to develop the UI of the application.
* Designed and created Extensive JAVA - **Swing** UI.
* Established connection to the database retrieved data and used it to populate the **Swing** -screens.
* Strong Core Java background with experience in Collections, Multi-Threading, Java 8, Interfaces, RMI, Serialization, Synchronization, Exception Handling, Java Swing, OOPs techniques, Logging and Performance Tuning.
* Implemented **Hibernate** for data persistence in Workflow screens. Used **RAD6, WSAD as IDE** for development of the application. Worked with **Web logic, Tomcat** as the application servers and **JMS** as the message Server.
* Performed Clear Quest defects, Database change requests logging using **Clear Quest**. Used Perforce as versioning system.
* Developed **RESTful** services using **Jersey, JAX-RS and Rest let** to call third party vendors.
* Developed the automation environment for build, deployment, and configuration of Port lets onto the IBM **WebSphere portal server** using **ANT scripts, XML Access scripts and JACL scripts.**
* Used **Spring Framework for Dependency injection and integrated with the EJB 3.0** using annotations.
* Which would in turn call the third-party partner web services (both **RESTful and SOAP**)
* Configured and built **Spring MVC** application on Tomcat web server.
* Investigate, debug and fixed potential bugs or defects in the implemented code.
* Implemented **JUnit tests** and mandated 90% min. code coverage.
* Designed builds which can grow and support builds using **Gradle.**
* Develop named HQL queries and Criteria queries for use in application.
* Implemented transaction management for ORM project using **Spring** Transaction Management API.
* Created and built project using **Maven**.
* Created Stored Procedures and other **SQL scripts using PL-SQL.**
* Implemented logging using **log4j and Spring AOP.**
* Implemented various cross-project functionalities using **Spring AOP.**
* Configuring the service on **Web logic/WAS application server** for successful deployment.

**Environment:** Solaris, JSP, JSF, Spring, Servlet, Hibernate, JMS, JCA, JMX, XML, CSS, XML Schema, AJAX (JQUERY, AJAX), JSON, JAXP, SAX, DOM, JAXB, Java Port let Specifications, JAX-RPC, SAAJ, SOAP, Java script, Swings, PL/SQL, D/HTML, XHTML, Maven, Log4j, JUnit, Web logic , Oracle ,RDBMS, Mercury Quality Centre , Eclipse .