**Lakshmi Aluru**

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**PROFESSIONAL SUMMARY**

* **7+ Years** of experience in software application design, analysis and development on Client-Server Applications.
* Experience includes application development in **Java, JSP, Servlet programming, Enterprise Java Beans, Struts, JSF, JDBC, spring, Spring Integration, Hibernate.**
* Extensive experience in **Application Software Design, Object Oriented Design, Development, Documentation, Debugging, Testing and Implementation.**
* Specialized in **Java 1.8, J2EE, Servlets 2.0, JSP, JSTL, Custom Tags.**
* Extremely good in **Struts, Spring Framework, Hibernate**.
* Used various **Ajax/JavaScript framework tools like Java Script, jQuery, JSON.**
* Good Understanding of Design Patterns like **MVC, Singleton, Session Facade, DAO, Factory**.
* Expertise in back-end/serverside java technologies such as: **Web services, Java persistence API (JPA), Java Messaging Service (JMS), Java Data Base Connectivity (JDBC), Java Naming and Directory Interface (JNDI).**
* Having good knowledge of **Oracle 8i, 9i, 10g**, **11g** and **DB2** as Database and excellent in writing the SQL queries.
* Having good knowledge on **Oracle** **Migration** in J2EE applications with Data integration and validation perl.
* Developed the web applications on **IDE tools like Eclipse, NetBeans and WSAD**.
* Automated build, testing and integration with **Ant, Maven, Jenkins and JUnit**.
* Experience in **GWT** for developing java applications based on the functionality
* Good understanding and experience of **Python Programming** and **Kibana** framework.
* Strong experience in using **AJAX, JSTL, Struts Tag Libraries, Tiles, HTML, XHTML, JavaScript, CSS, Angular JS, Node JS, React JS, Java Server Pages (JSP)** for designing front end.
* Rich experience in **Agile Methodologies** such as extreme programming (XP), Scrum, waterfall model and TestDriven Development TDD.
* Expert level skills in designing and implementing web server solutions and deploying java application servers like **Tomcat, JBOSS, WebSphere, WebLogic** on Windows& UNIX platform.
* Experience in Integration tools **Oracle SOA** and **Apache Camel** Integration Patterns Framework, **ActiveMQ** **JMS** provider
* Hands-On experience in designing & developing **BPM** workflows on Bonita by using different type of gateways, tasks, connectors etc.
* Used **RSA** access manager for authentication purpose.
* Good Knowledge and understanding on **Autosys** Scheduling and Administration.
* Experience in Rational Unified Process (RUP) to deliver mission - critical web or desktop applications with J2EE, XML, and related technologies.
* Extensive use of Use case model, Use case diagrams, class diagrams and sequence diagrams using rational rose.
* Experience in **AWS, SOAP, Rest, JAX-RPC API, JAXB API, JAXP API, XML, LDAP** and **WSDL** using IBM-MQ series for developing **Web Services**.
* Experience on **AWS** services like EC2, S3, RDS, ELB, EBS, VPC, Route53, auto scaling groups, Cloud watch, Cloud Front and IAM for instantiating, configuring and managing various Amazon images for server migration from physical servers into the cloud.
* Experience working with versioning tools like CVS, SVN and Clears Case and build tools like **ANT, Maven**.
* Very good understanding and working experience of Agile Scrum Process.
* Experience with RDBMS and writing **SQL and PL/SQL** scripts used in stored procedures and good knowledge on **NoSQL**.
* Good Experience on Databases like **mongoDB** and **snowflake** data migration
* Flexible for production support and available weekends if necessary.
* Strengths include good team player, excellent communication interpersonal and analytical skills, flexible to work with new technologies and ability to work effectively in a fast-paced, high volume, deadline-driven environment.

**EDUCATION-**

* Bachelor of Engineering from KLU- India

**TECHNICAL SKILL-SETS** -

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| --- | --- |
| **Language**  | Java, UML, SQL, PL/SQL, Python, C, C++. |
| **Java Technologies** | Java EE 5, Servlets 2.4, JSP, EJB, JMS API, JDBC API, JNDI, JSTL, JUNIT, AJAX |
| **Web Technologies** | HTML4/5, XHTML, HDML, JAXP API, DHTML, JSF, XML, SAX, DOM,XSLT, XPATH, Java Script, CSS2/3, JQuery, Struts Tag, Display Tag, Web services, Design Patterns, JAX-WS API, Angular JS, Angular 2.0, Angular 4.0, Node JS, Express JS, React JS, Bootstrap, GWT. |
| **Frameworks** | JSF, Struts, Hibernate, Spring Framework, JSF 1.2, 2 Primefaces, Kubernetes |
| **IDE'S** | Eclipse (GALILEO, HELIOS, INDIGO, Mars), MyEclipse, Net beans. |
| **Web Services** | AWS, SOAP, WSDL, UDDI, REST, APACHE AXIS, Pivotal Cloud Foundry |
| **Web and Application Servers** | Web Logic, JBOSS, Web Sphere, Apache Tomcat  |
| **Databases** | MySQL , DB2, Oracle , MS SQL Server, Mongo DB , Cassandra,Snowflake |
| **Build Automation** | ANT, MAVEN, Gradle |
| **Testing and Logging Frameworks** | JUnit, Log4J, Jenkins, CI &CD, ETL, Mockito |
| **OOA, OOD** | UML, use-case diagrams, Class diagrams, Activity diagram, Sequence diagram |
| **Operating Systems** | Windows 2000, Windows XP, Windows Vista, Windows 7, Windows 8, UNIX. |

**PROFESSIONAL EXPERIENCE -**

**Client: Cisco Systems Inc - SanJose, CA Jan’20 - Current**

**Role: Sr. Software Engineer**

* Worked with business teams on requirements gathering and estimating the efforts for development using **agile methodology**
* Involved in all phases of **Agile Scrum Process** like Stand up, Retrospective, Sprint Planning meetings.
* Work in service Oriented Architecture (SOA) Design and development using **Java, J2EE, Spring, Spring Boot, Maven, Rest/Json**.
* The web application developing Using **Spring Boot** Frame work
* Develop the code following Object oriented programming concept- Core Java multi-threaded programming, collection classes and contribute to the design and develop high quality software for large scale **Java/Spring Boot**/**Micro-service** Applications.
* Perform daily operations of enterprise systems using **Spring** **Batch** framework which is designed to enable the development of robust batch applications vital.
* Use Spring DAO and JDBC to implement the data access layer and other database interaction functionalities.
* Develop **RESTful** **APIs** in Spring Boot framework and deploy the application to Kubernetes through docker images.
* Use MongoDB to implement a data store that provides high performance, high availability, and automatic scaling and use **JSON** to store the date in the collection through document.
* Migrate the current projects from **HBase** to **MongoDB** to increase the performance.
* Migrate the date to cloud - **Snowflake**
* Perform developer level **JUnit** testing/Integration testing to assure the code is valid before sending it to the testing team.

**Environment:** Java 8, Spring Boot 2.2.1, Spring   Security (Specifically LDAP), Spring batch,Spring Data JPA, MongoDB, Snowflake, Spring tool Suite 3.8 ,Microservices, GitHub, JIRA, GWT, JSP, Websphere commerce, Hibernate, JDBC, RDBMS, Apache Axis, RESTful API, SOAP, JUnit, UML, JSTL, EJB,Servlet, Maven.

**Client: Wells Fargo Bank - Chandler, AZ Aug’18- Dec’19**

**Role: Sr. Software Engineer**

**Project: Globalpay Reachable**

**Description:** Wellsfargo is undertaken/developing an electronic funds transfer or remittance provider that allows consumers (employee/third party/customer) to send money anywhere around the world using this Globalpay. It allows P2P, B2P, B2B, G2P transaction and transfer funds to the recipient.

**Responsibilities**

* Involve in all the phases of Software development lifecycle (**SDLC**) in an **Agile/Scrum methodology** which includes requirement analysis, design, development, documentation, testing, implementation and maintenance of application software using Java/J2EE in real-time enterprise applications, Distributed n-tier.
* Develop Various helper classes needed following Core Java multi-threaded programming,collection classes and contribute to the design and develop high quality software for large scale Java/Spring Boot/Microservice Applications.
* Work in service Oriented Architecture (**SOA**) Design and development using J**ava, J2EE, Spring, Spring Boot, Gradle, Rest/JSON, Soap/XML and Microservices**.
* Use Spring DAO and **JDBC** to implement the data access layer and other database interaction functionalities.
* Used **Spring Data Jpa** for creating data repositories to retrieve values from the database
* Develop RESTful APIs in Spring Boot framework and migrate the application to Cloud Foundry ideally with Pivotal Cloud Foundry (**PCF**)
* Use SQl and **PL/SQL** Programming extensively to talk to **Oracle database** and develop stored procedure for achieving data validation.
* Perform developer level **JUnit testing**/Integration testing to assure the code is valid before sending it to the testing team and also by creating and implementing feature file tests in Behaviour driven developement (BDD) using **Cucumber** tool.

**Environment:** Java 8**,** JPA 2 ,Spring 4.2, Spring Boot 1.3, Spring   Security 4.0.3 (Specifically LDAP), RSA, Spring MVC 3,Spring Data JPA 1.9.2, Tomcat 6, Oracle 11g , Spring tool Suite 3.8 ,Microservices, GitHub ,source Tree , JIRA, GWT, JSP, XML, Websphere commerce, Hibernate, JDBC, RDBMS, Apache Axis, RESTful API, SOAP, JUnit, UML, JSTL, EJB,,Servlet, Maven, Cucumber.

**Client: Ford, Dearborn, MI April'18 - August’18**

**Role: Sr. Software Engineer**

**Project:** **City Challenge:** City Challenge is the prestigious project that is taking place in Smart Mobility Analytics Group in Ford where it deals with cities traffic, commuters and 311 incidents by using the 3 tools: 1. Accessibility 2. Segmentation 3. Commute flow, 4. HotSpot Incidents.

**Responsibilities**

* Worked with business teams on requirements gathering and estimating the efforts for development using **agile methodology**
* Involved in all phases of **Agile Scrum Process** like Stand up, Retrospective, Sprint Planning meetings.
* The web application developing Using **Spring Boot** Frame work
* Used **Gradle** for building the application, and completed testing by deploying on application server.
* Developed a clustered container environment in **PCF** (**Pivotal Cloud Factory**) to manage dozens of **Microservices**.
* Utilizing the features of Angular 2.0 to present effective web design.
* Responsible for creating reusable components by using the **Angular 4** components with **Typescript**
* Application backend implemented as **Node JS** express application server.
* Used Firebug, IE and Chrome Developer Toolbars for debugging and browser compatibility.
* Worked on **JQuery** to make dropdown menus on web pages and display part of a web page upon user request.
* Wrote **Unit testing** and **Test suites** using **JUnit framework** for testing the application.
* Automated **CI/CD** with **Jenkins**, build-pipeline-plugin, **Gradle**, **GIT** Set up Jenkins master/slave to distribute builds on salve nodes.
* Testing JavaScript using the Jasmine and Karma framework.
* Use JDBC Update Batching to build a **RDBMS** JVM utility to manage datasets
* Experience working with build, code package & source code management such as **GIT**.
* Experience with Code Quality Governance related tools (**Sonar**)
* Experience working in fast paced Agile Environment. Attended daily stand up meetings and involved in the spring planning.

**Environment:** Java 8**,** Spring Boot 1.3, Gradle, Junit, Oracle 12C, Jenkins, PCF, JBOSS, Servlets 2.0, HTML5, CSS3, SASS, Karma, JavaScript, JQuery UI, AJAX, JSON, Angular JS, Node JS, React JS, Ext JS, Bootstrap, RDBMS, RESTful Web Services, XML, Websphere, Pivotal Tracker.

**Client: AT&T, Dallas, TX Aug'17 – Mar’18**

**Role: Sr. Full Stack Developer**

**Project:** **Future Pricing Platform-** Future Pricing Platform is one of the largest internal application of AT&T which can be accessible for 4 different types of users (ADMIN, SELLER, PRICER, APPROVER) where each have different kind of entitlements. This application purpose is to handle the credits and deals of a particular product and line item to the AT&T’s regular and precise customers and it has all the financial calculations related to the particular deal.

**Responsibilities:**

* 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.
* Involved in all phases of **Agile Scrum Process** like Stand up, Retrospective, Sprint Planning meetings.
* The web application developing Using **Spring Boot** Frame work and JPA components to interact with the database
* Used Maven for building the application, and completed testing by deploying on application server.
* Developed a clustered container environment in **AWS** using **Docker** and **Kubernetes** to manage dozens of **Microservices** written primarily in Node and Go.
* Utilized the features of Angular 2.0 to present effective web design.
* Created Forms with validation using Template Driven Forms and Reactive Forms approach in Angular2.
* Responsible for creating reusable components by using the **Angular 2** components with **Typescript**
* Implemented data binding using Event Binding and Property Binding methods.
* Involved in building applications using **React JS** by building re-usable UI Components.
* Used Angular UI-grid, a high performance data grid using virtualization.
* Created custom directives in **Angular 2** for DOM manipulation and services and Factories for common
functionalities shared by different controllers.
* Implemented Angular Universal to render to DOM via server request in **Angular 4**.
* Created dynamic components in **Angular 4** in a declarative way.
* Used Flattened ECMAScript Module to help reduce the size of the generated bundles and speed up built.
* Created a Single Page application using UI-router in which every view was linked to a controller for scope data.
* Updated existing Ionic application with the new design using **Bootstrap**, Angular, Nodejs
* Application backend implemented as **Node JS** express application server.
* Organized application routing and templating solution with **Express.js** and **Node.js**.
* Used Firebug, IE and Chrome Developer Toolbars for debugging and browser compatibility.
* Worked on **JQuery** to make dropdown menus on web pages and display part of a web page upon user request.
* Wrote **Unit testing** and **Test suites** using **JUnit framework** for testing the application.
* Automated **CI/CD** with **Jenkins**, build-pipeline-plugin, **Maven**, **GIT** Set up Jenkins master/slave to distribute builds on salve nodes.
* To verify the behavior of the system under test used **Mockito** Framework
* Testing JavaScript using the Jasmine and Karma framework.
* Experience working with build, code package & source code management such as **GIT**.
* Experience with Code Quality Governance related tools (**Sonar**)
* Experience working in fast paced Agile Environment. Attended daily stand up meetings and involved in the spring planning.
* Attended meetings with UX team to discuss shortcomings, suggestions, limitations of framework and technical glitches for the given wireframes.
* 24/7 Production support. Solved critical issues.

**Environment:** Java 8**,** JPA 2, Spring Boot 1.3, Maven, Junit, Docker, Oracle 12C, Kubernetes, Jenkins, JBOSS, Servlets 2.0, Cassandra, HTML5, CSS3, SASS, Karma, JavaScript, Ecma Script 6, JQuery UI, AJAX, JSON, Angular JS, Node JS, React JS, Ext JS, JIRA, Bootstrap, RESTful Web Services, XML

**Client: Verizon Wireless, Walnut Creek, CA Jan’17-July’17**

**Role: Sr. Java/J2EE Developer**

**Project Description:** To enhance vendor ticket tracking (Remedy) from a centralized ticketing system and keep track life cycle of the ticket.Verizon Wireless have so many internal and external vendors. When some network/system fault’s has occurred Verizon create a ticket to the vendors who is responsible for that site and will keep track the status of the ticket, currently this whole process doing by manually, so it’s take lots of time to enter the details manually and it’s high error risky process. So they want the whole process done by automatically, so Ebonding is middle layer between Verizon and it’s vendors. Ebonding will keep track of the Ticket life cycle events and stores into database for management to get a final report by monthly.

**Responsibilities:**

* 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.
* The web application developing Using **Spring Boot** Frame work and JPA components to interact with the database
* Participated in the complete **SDLC** of project from Development, Implementation, and Deployment to Testing Phase.
* Used **Apache axis2** to generate stubs for communicating to vendor to provide web service to generate the notifications.
* Used **Spring Rest Template** to call rest api’s to send the web service response to update Verizon core applications using JSON data format.
* Involved in the development of JPA configuration and writing the JPA Named Queries and Native Queries Using **JPA 2.0**
* Implement OAuth2 standards to secure the ebonding rest Services from unauthorized access.
* Involved in the development of Rest based web services using **Spring rest API**
* Used **JPA Query** cache implementation to cache the Frequently accessed objects.
* Used **Log4j** for logging and debugging and used **JUnit** extensively for testing.
* Used **JAXB** for marshaling and unmarshaling the web services output of XML
* Used **Spring Data JPA** for creating data repositories to retrieve values from the database
* Extensively worked on business, front end and persistence tier using the **JSP, Servlets, Spring MVC,** and **JSON**.
* Use JDBC Update Batching to build a **RDBMS** JVM utility to manage datasets.
* Developed user interfaces using **JSP, JQuery, JavaScript, Bootstrap 4, Typescript, Angular 2.0, Node JS,HTML5,** and **CSS3**.
* Compiled the source to JavaScript running on all the browsers using **GWT**.
* Developed application service components and configured beans using **Spring IOC**, creation of **Hibernate mapping files** and generation of database schema.
* Maintained hibernate configuration file and hbm files for object relational mapping.
* 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 axis**, **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 API**.
* Developed **Rest architecture based web services** to facilitate communication between client and servers.
* Invoked web services and parsed the **XML** results.
* Developed BDD tests using **Cucumber** by writing behaviors and step definitions.
* Extensively involved in the development of backend Logics or data access logic using **Oracle DB 11g** and **JDBC**.
* Developed **stored procedures, triggers** and **functions** with **PL/SQL** for Oracle database
* Wrote **Unit testing** and **Test suites** using **JUnit framework** for testing the application.
* Developed application code using **Spring tool Suite 3.8** and configured with **Maven 3.2.5**.
* Participated in Daily standups and weekly status meeting for providing the development updates.
* Production support for the application to resolve the issues experienced by the users.

**Environment:** Java 8**,** JPA 2 ,Spring 4.2, Spring Boot 1.3, Spring   Security 4.0.3 (Specifically LDAP), RSA, Spring MVC 3,Spring Data JPA 1.9.2, Tomcat 6, Oracle 11g , Spring tool Suite 3.8 ,Microservices, GitHub ,source Tree , JIRA, GWT, JSP, XML, Websphere commerce, Hibernate, JQuery, AJAX, JavaScript, Angular 2.0, Node JS, Mongo DB,Bootstrap 4, Typescript, JDBC, RDBMS, Apache Axis, RESTful API, SOAP, JUnit, UML, JSTL, EJB, Autosys,Servlet, Maven.

**Client: Citibank, NYC, NY Dec’14-Dec’16**

**Role: Java/J2EE Developer**

**Project Description:** Citibank is a major international bank and also the consumer and corporate banking arm of financial services giant Citigroup, the largest company of its kind in the world. And, Online Financial Services (OFS), related to electronic banking is one of the most critical and important systems for enhancing the present and the future banking services like fixed income, investments, etc.

**Responsibilities**

* Worked with business teams on requirements gathering on the 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, JQuery, JavaScript, Angular JS, Node JS, HTML5,** and **CSS3**.
* Used **AJAX** to implement some customizations which required dynamic behavior like controls dependent on user value selection on some other controls.
* Implemented **Java multi-threading** and **thread handling** issues during application development
* Developed application service components and configured beans using **Spring IOC**, creation of **Hibernate mapping files** and generation of database schema.
* Maintained hibernate configuration file and hbm files for object relational mapping.
* 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**.
* Managed Database Transactions using **spring’s Transaction Management** module and optimized and improved performance of the queries.
* Also participated in development of new features for the core of the application. This included converting the company's current **SOAP API to RESTful API**.
* Developed **Rest architecture based web services** to facilitate communication between client and servers.
* Invoked web services and parsed the **XML** results.
* Developed AJAX applications in Java and compiled the source to JavaScript running on all the browsers using **GWT**.
* Extensively involved in the development of backend Logics or data access logic using **Oracle DB** and **JDBC**.
* Developed **stored procedures, triggers** and **functions** with **NoSQL** for Oracle database
* Use of **WebLogic** application server to deploy the application and connect through the data source using **JNDI**.
* Implemented and maintained the monitoring and alerting of production and corporate servers/storage using **AWS** Cloud watch and **AWS** Simple Notification Service.
* Identifying appropriate **AWS** service based on compute, data availability, security requirements and storage.
* Involved in development **BPM** workflow engine.
* Involved in creating **BPM** workflows using camunda plugin
* Deployed the application on the **JBoss** Application Server.
* Wrote **Unit testing** and **Test suites** using **JUnit framework** for testing the application.
* Developed application code using **Eclipse IDE** and configured with **Maven 3.2.5**.
* Used **RSA** integrated **SVN** Repository to maintain version controlled source code 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.

**Environment:** Java1.7, J2EE, Python, AWS, JVM, JSP, XML, Spring, Hibernate, JQuery, AJAX, JavaScript, Angular JS, Node JS, Oracle 11g, Cassandra, JDBC, Apache CXF, ActiveMQ, RESTful API, SOAP, Cryptographic Algorithms, Bonita, Eclipse, WebLogic, BPM, Mongo DB Clear Case, JUnit,Mockito,JBoss, ETL, GWT, UML, JSP, JSTL, EJB, Servlet, Kafka, Maven, ANT.

**Client: Bank of India – India Jun’13 - Nov’14**

**Role: Java Developer**

**Responsibilities**

* Involved in development of General Ledger module, which streamlines analysis, reporting and recording of accounting information. General Ledger automatically integrates with a powerful spreadsheet solution for budgeting, comparative analysis and tracking facility information for flexible reporting.
* Designed and developed application using Core Java like collections, multithreading, Generics, String Builder and interfaces, **J2EE (JSP, Servlets), Spring and Oracle**
* Managed connectivity using **JDBC for querying/inserting & data management** including triggers and stored procedures.
* Designed user-interface and checking validations using JavaScript.
* Developed **UI using HTML, JavaScript, and JSP**, and developed Business Logic and Interfacing components using Business Objects, XML, and JDBC.
* Responsible for Wholesale Banking and Payment Solutions.
* Developed various EJBs for handling business logic and data manipulations from database.
* Involved in design of **JSP's and Servlets for navigation** among the modules.
* Designed cascading style sheets and XML part of Order entry Module & Product Search Module and did client side validations with java script.

**Environment:** Core Java, J2EE, JVM, Servlets, Spring , Servlets, Custom Tags, Java Beans, JMS, Hibernate, IBM MQ Series, Websphere, Ajax, JUnit, JSP, Log4j, JNDI, XML, SAX, Rational Rose, UML.