**Name: Anantha Lakshmi**

**Sr. Java full stack developer**

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**PROFESSIONAL SUMMARY:**

* A decent and creative professional with **9+ years** of experience with a complete **Software Development Life Cycle** in both Web-based and Enterprise applications including requirement analysis, design, and implementation and testing with priority on**object-oriented, Java/J2EE, and Client Server technologies.**
* Experience in front-end UI technologies like **HTML5, CSS3, JQuery, JSON, AJAX, Node JS, AngularJS, BackboneJS, Bootstrap, Tag Libraries, and JSTL.**
* Expert in **Core** **Java** with a strong understanding of **Garbage Collector, Collections Framework, Exception Handling Multithreading, Event handling, JDBC, JMS,** and**Generics.**
* Having good knowledge of and implemented functional styles of **Java 1.8 Lambda Expressions** and **functional interfaces**, **parallel Streams**. Expertise in **React JS** framework to develop the **SPA**.
* Experienced in **React JS** and working with **React Flux architecture.**
* Collaborated with cross-functional teams to design and implement scalable solutions for complex business requirements, leveraging Redux's architecture for predictable state management.
* Used **JSON (JavaScript Object Notation)** for Data Interchange/Transmit Data between **Angular JS**and**Spring MVC.**
* Implemented **RESTful APIs** using Spring Framework with **Kotlin**, enhancing system flexibility and performance.
* Experience in developing web applications on **MVC-based** frameworks like **Spring, Spring IOC, Spring Security, Spring Boot, Spring Batch, and Spring MVC.**
* Championed cloud provisioning tools such as **Terraform** and **Cloud Formation**.
* Used **Terraform** for infrastructure to spin up EC2, EMR, and Lambda as per requirement and enable.
* Expertise in J2EE Technology- **Spring, Hibernate, Struts,** **Servlets, JSP, EJB, JPA, JDBC, JTA, JavaBeans, JMS (MQ series).**
* Experienced in developing **SOA** (Service Oriented Architecture) and J2EE **Web** **Services** based on **RESTful, SOAP, WSDL, UDDI, JAX-WS, JAXB, and JAX-RS** using tools like **Apache** **Axis.**
* Civilized with different Design Patterns like**Singleton, Factory, Prototype, Front-Controller, Session Façade, Service-Locator, Data Access Object (DAO), Data Transfer Object (DTO), MVC, and Business-Delegate.**
* Experienced in process, validating, parsing, and extracting data from **XML** using **XSL, XSLT, XML schemas, XPath, XForms, XSL-FO,** and **parsers like SAX, and DOM.**
* Well-versed in **object-oriented design (OOD), analysis (OOA), and modeling (OOM)** based on Unified Modelling Language (**UML**) architecture.Hands-on experience in API Management implementations such as **APIGEE.**
* Excellent in deploying the applications in **AWS** as **EC2** instances and creating snapshots for the data that have to be stored in **AWS** **S3.**
* Experience in working with messaging systems like **Kafka**, and **Kafka event sourcing.**
* Experience in Server infrastructure development on **AWS Cloud**, extensive usage of, **Elastic Beanstalk, Dynamo DB, S3, Route53, SNS, and SQS.** Experience in working with **Data structure and Algorithms** in **Java**.
* Extensive experience **with Oracle, MySQL, MS SQL Server, IBM DB2**, and Solid understanding of Database Management Systems.
* Good understanding of modern **NoSQL** platforms (**MongoDB**, **Cassandra**, and **Dynamo DB**).
* Used **Apache ActiveMQ** and **Apache Camel** as **JMS** providers.
* Expertise in developing Middle-Tier components using **Enterprise Java Beans (EJB), JNDI, Hibernate**, and other Remote Components.
* Good familiarity with **AWS Lambda**event-driven, serverless computing platform to manage the servers and run the code in the **AWS**.
* Utilized **Amazon Web Services**(AWS**)** **EC2**to deploy   **Docker**containers with both monolith and **Micro-Services** architecture.
* Sound knowledge of CI/CD Continuous Integration practices and tools such as **Kubernetes, Jenkins, and Docker.**
* Experience with **Selenium, JUnit, Mockito, and Log4j** in developing test cases and determining application functionality.
* Created **continuous delivery** **pipeline** for CDT Directory to run the **war**, **Ami**, and **deploy** jobs in **Jenkins** brew master instance, reducing the time for deploying **microservices.**
* Having good knowledge in maintaining UI using **jQuery,** **JavaScript,** **JSP,** **HTML,** **CSS**with **JSON, and Groovy.**
* Proficient in writing **ANT** and **Maven** for builds and deployments to different environments.
* Experience in **UNIX/LINUX** Shell Scripting and Deployment of Applications in Server.
* Excellent work experience with Version Control Tools such as **VSS, SVN,** and**GitHub.**
* Experience with IDEs such as **IntelliJ IDEA, Eclipse, Spring Tool Suite, RAD,** and deployment using Application Servers like**Apache Tomcat, BEA WebLogic, Web Sphere, Glassfish, Camel,** and**JBOSS.**
* Involved in developing applications using **waterfall**, **Agile (XP and Scrum)**methodologies**,** and **Test First**, **Test Driven Development**, and **Service orientation architecture.**

**TECHNICAL SKILLS:**

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| **Languages** |  Core Java, Java1.7/1.8, J2EE, SQL, PL/SQL |
| **J2EE Technologies** |  JDBC, JSP, JSF, JMS, EJB, Java Security |
| **Mark-up/XML Technologies** | HTML5, CSS3, JavaScript, jQuery, AJAX, AngularJS, NodeJS, CSS, XML, XSD, XSL/XSLT, SAX/DOM, JSON |
| **Operating Systems** | Windows, Sun Solaris, UNIX, Linux |
| **Tools & Framework** | Struts, Spring, Hibernate, Spring MVC, Spring Web Flow, Spring IOC, Spring AOP, Spring Boot, JSF, JUnit, SOAP UI, Groovy, ANT, Maven, Jenkins, Apache ActiveMQ, Apache Camel |
| **Web services** | SOAP, Restful, UDDI, WSDL, JAX-RPC, JAX-RS, JAX-WS, JAX-B, Axis2, Micro Services, AWS Lambda, AWS (Amazon Web Services) |
| **Web/App Servers** | IBM Web Sphere, Apache Tomcat, JBoss EAP, Web Logic Server, Glassfish |
| **CI/CD** | Kubernetes, Jenkins, Docker |
| **Databases** | MongoDB, SQL, SQL Server 7/2000, MS Access 7.0, Oracle, Kafka. |
| **Web Tools/IDE** | Eclipse, IntelliJ, Spring Tool Suite (STS), RAD |
| **Front End Technologies** | HTML5, CSS3, JQuery, Angular JS, Bootstrap, React JS  |
| **Version Control System** | Tortoise SVN, CVS, Rational Clear case, GIT |
| **Testing Tools/ Others:** | JUnit, Soap UI, Putty, Rational Clear Quest, RTC, StarTeam |

**Work Experience:**

**Client: DTCC (Depository Trust Clearing Corp) April 2022-Present**

**Job Title: Sr. Full Stack Developer**

**Responsibilities:**

* Developed **UI** using **AngularJS, HTML, Angular, and JavaScript, and developed Business Logic and Interfacing components.**
* Developed **REST** clients using **Spring** **REST** template to interact with existing **REST microservices**.
* Developed the **responsive UI web pages using Angular JS 2, JavaScript, and ReactJS and have used Angular JS filters**.
* Construction of **UIs using jQuery, Backbone.js, Bootstrap, and JavaScript. Involved in JUnit Testing**.
* The User Interface is developed using JavaScript, React framework, HTML 5, CSS3, and Bootstrap.
* Implemented **RESTFUL** web services using **Spring** Dao and consumed using **Spring REST services**.
* Implemented **REST** **Microservices** using **spring boot**. Generated **Metrics** with method-level granularity and Persistence using **Spring AOP and Spring Actuator**.
* Used **Spring** config server for centralized configuration and **Splunk** for centralized logging. Used Concourse and **Jenkins** for **Microservices** deployment.
* Used **Spring MVC** **framework** for the design and development of **Web applications.**
* Focused on **Test Driven Development (TDD)** thereby creating detailed **JUnit** tests for every single piece of functionality before writing the actual functionality and writing test cases to test the **Spring DAO layer**.
* Selecting the appropriate **AWS service** based on **computing**, **data**, or **security** requirements.
* Integration of **Amazon Web Services (AWS)**with other applications infrastructure.
* Designed and prepared custom tags on the **JSF layer** and prepared framework classes for Managed Beans interacting with the **Hibernate**.
* Design patterns and Java features like **Lambdas** and **Streams** for functionality. Worked with **multithreading** and implemented concurrent **multithreading** as well.
* Developed **CI/CD system** with **Jenkins** on **Kubernetes** environment, utilized **Kubernetes** and **Docker** for the runtime environment for the **CI/CD system to build, Test, and Deploy**.
* Implementation of the Business logic layer for **MongoDB** **Services** and **Wrote services** to store and retrieve user data from the **MongoDB** for the application.
* Used **Apache Kafka** as a messaging layer for the custom framework.
* Responsible for maintaining and expanding our **AWS infrastructure using AWS (EC2/EBS), and AWS Lambda**.
* Good Experience in **Docker & Kubernetes setup, configuration, and Architecture**.
* Used **Amazon Cloud Watch to monitor AWS services and Amazon Cloud Watch logs to monitor applications**.
* Involved in developing **Autosys JIL** requests to **Trigger** the Java code with **shell scripting, and wiring**.
* Installed, configured, and deployed the applications on **WebSphere** **Portal** and **Application** **Serve** with **SOA** Governance.
* Implemented **Node JS** as a server-side proxy for an observing various response time.
* Implemented modules into **Node JS** to integrate with designs and requirements.
* Integrated **custom Cloud Portal to AWS APIs for Automated Network**.
* Designed overall Microservices architecture including Gateway, API Service, Core Service.
* Developed **JMS** components to send messages from one application to another application internally
* Executed acceptance criteria for epics and stories using the **Gherkin** domain-specific language for both **mobile** and **web platforms**.
* Implemented Client-Side routing using the **Route module** in **React**.
* Loading the data to Cassandra Cluster with the help of Java API.
* Integrated **Redux** with a **Java backend** built on **Spring Boot** to ensure consistent state management across the application.
* Led the migration of legacy Java applications to Kotlin, resulting in improved code maintainability and reduced development time.
* Used **Hibernate** to integrate with the **backend database**.
* Developed **Services, Business Delegate, POJO, Controller, and DAO (implemented transaction management in DAO layer)** and extensively used Core Java collections, Generics, and **Exception handling**.
* Used **XML and XSLT to display the pages in HTML format** for the customers.
* Developed an interface, which also shows the check images as **gif files**, if there are any in the account summary of the account actions.
* **Business Objects, XML, and JDBC**.
* Used **Amazon Kinesis** to collect and process large streams of data records in real-time.
* Used **Amazon EC2** for resizable compute capacity in the cloud.
* Wrote different queries for the database to retrieve the details from the **DB2 database** which is configured for **One Source System**.
* Worked in **a test-driven development environment**, using **JUnit** and **Mockito** for backend test cases, and **Karma** and **Jasmine** for the **frontend test cases**.
* Used **Git for Version control**, and **Jira** for project **tracking**.
* Used **Test Automation Cucumber for testing web applications**.
* Involved in configuring builds using **Jenkins** with **Git plugins**. Configured and used **Jenkins** to deploy the applications onto **Dev, QA, and UAT (User Acceptance Testing) environments**.
* Used **Jenkins** for continuous integration in which all development work is **integrated**.
* Involved in the day-to-day handling of **JIRA issues (production issues at the time)** that involved data inconsistencies that required to be solved in very little time.
* Involved in performance tuning to identify and solve possible **bottlenecks** in the application. Ensured code quality using tools like **Find Bugs and Jenkins**.
* Actively Participated in tracking and **resolving** production issues.
* Using the **Maven** building tool for **creating EAR files** to be deployed in the **application servers** and also for **Dependency management of code in the application**.
* Actively involved in **code review, performance tuning, and bug-fixing phases**.
* Participated in **Agile** Scrum methodology for application development. Analysis, design, coding, unit, and integration testing of business applications in an **object-oriented environment**.

**Environment:** Java, J2EE, JSP, Restful web Services (Spring Boot), Spring Application Framework, Hibernate ORM, JMS, HTML5, XML, WebLogic Application Server, Kafka, AWS services, Maven, Git, Log4j, TDD, jQuery UI, CSS, JavaScript ES5, Unix Collections, Spring Boot, Angular, Maven, Design/Architectural Patterns, GitHub, Microservices, Jenkins, JIRA.

**Client: Lowes NC Aug 2019- March 2022**

**Job Title: Full stack Java developer**

**Responsibilities:**

* Expertise in creating web applications using **HTML/HTML5, CSS/CSS3 (SASS, LESS), Bootstrap, JavaScript (ES5), jQuery, AngularJS, AJAX, JSON, NodeJS, and ReactJS**.
* Implemented workflow system in a SOA environment, through web services built using Axis2 for SOAP over HTTP and SMTP.
* Involved in developing User Interfaces **using HTML/HTML5, CSS/CSS3, JavaScript, jQuery, AJAX, JSON, React, and Angular.**
* Implemented**Spring API gateway**and**Eureka service registry**forreverse proxy of API’s.
* Involved in various **Software Development Life Cycle (SDLC)** phases of the project which was modelled using **Rational Unified Process (RUP)**.
* Built and managed the Application by using **IBM WebSphere portal 8.0.**
* Implemented the application in **Jakarta Struts** Framework which is a **Model View Controller design pattern-based framework**.
* Configuration and deployments of AXIS2 components on web sphere application server at class loader level, and used the same to build and consume the web services (both synchronous and asynchronous).
* Designed and developed asynchronous **RESTful MicroServices** using **Spring boot**, Couchbase, and RX Java that are consumed by other **MicroServices** with an average response time of 30 milliseconds.
* Experience in **Web Services development using Apache-Axis, JAX-RPC, and JAXB and Security architecture for marinating security levels for business process end to end, using different JAX-WS standards with a clear understanding of WSDL (type, message, port Type, bindings, and service).**
* In the presentation layer, we used Struts **Validation** and **Tiles Framework**.
* Configured **web.xml, and faces-config.xml** for navigations and managed beans. **Spring** and **Hibernate** Frameworks.
* Developed analytical components using **Scala, Spark, Apache Mesos, and Spark Stream**.
* Developed programs in **Java**, and **Scala-Spark** for data reformation after extraction from **HDFS** for analysis.
* Developed **Spark** scripts by using **Scala** shell commands as per the requirement.
* Used **Node.js** which is an event-driven model for data-intensive real-time applications.
* Developed **page** **layouts**, and navigation and presented designs and concepts to the clients and the management to review.
* Experience in **Open-Source technologies** like **AWS, Cassandra, Kafka, Mongo DB, and AngularJS.**
* Built and Configured Servers in **AWS Cloud**Environment.
* To load the data to **Oracle** using Java and **Excel API** we **developed dump and Load Utility** to extract the data.
* Used **RMI** to enable objects on different systems to interact in a **distributed network**.
* Implemented the template-based categorization of presentation content using **Struts-Tiles**. **MVC** implementation using **Struts framework**.
* Development of Staples B2B e-commerce site on domains like Cart and Checkout and List Pages using Open-source development (WebSphere Commerce to Microservice Architecture).
* Developed Web Services and Responsible for the creation of the Web Services using SOAP Simple Object Access Protocol with HTTP protocol.
* Developed **REST** service layer using **Spring MVC and Spring Boot.**
* Used **React-Router** to turn application into **Single Page Application.**
* Worked in using **React** components, **Forms, Events, Keys, Router, Animations, and Flux concepts**.
* Responsible for troubleshooting the logs in the **AWS cloud Watch in S3 buckets, Route 53.**
* Highly used **Angular** router to build single-page applications for navigating through the different **statuses and multiple models.**
* In the project, we used **PL/SQL** commands to work on the **Oracle database**.
* In our project used **Node.js** which uses the **Google V8** **JavaScript** engine to execute code, and a large percentage of the **basic modules** are written in **JavaScript**.
* Used **JQuery** to simplify the **client-side scripting of HTML and used the DOJO widgets package** for **handling** browser incompatibilities and the **IO package** for **AJAX support**.
* Implemented custom **Dojo widgets**, including a **multi-complete widget** that works like your email clients to field.
* Worked on retail and **merchandising websites** to update the **goods and services**.
* Used **Web services - WSDL and SOAP** for getting credit card information from third parties.

**Environment:**RUP, JDK 1.5, Servlets, Spark, XML, JQuery, JMS, Struts 1.2, Hibernate 3.0, Spring 2.5, PL/SQL, Web Service (JAX-WS), HTML, AJAX, DOJO, GUI, RMI, COTS, Angular, Spring boot, JavaScript, Hybris, CSS, AWS, Apache Server, SVN, DB2, Web API, SQL Server, REST web services, Adobe Dreamweaver CS5, ANT 1.7, Node.js, IBM Web Sphere Application Server 8.0, Clear case, TCPMon, SoapUI, Visio, Rational Rose, Log4j.

**Client: KNS Technologies India March 2014 – Nov 2018**

**Job Title: Associate Software Engineer**

**Responsibilities:**

* Worked on Enhancements and Post Production Fixes for the **Employer Resource Information Centre (ERIC)** Application.
* The enhancements required us to develop new correspondences and fix the old **correspondences**.
* Implemented **Hibernates’** Lazy default fetch plan for generating proxies and collection **wrappers** and created fetching strategies for minimizing the number of **SQL statements**.
* Designed and Developed the **UI Framework** built using **JSF Apache My Faces, Ajax4JSF.**
* Involved in writing **JSF Backing Beans**for controlling the **UI** and writing custom components and validators.
* Extensively used Java best practices and implemented several Core **design patterns** like **Singleton, Data Access Object (DAO), and Business Delegate**etc.
* Used Asynchronous **JavaScript** and **XML (AJAX)** for better and faster interactive Front-End. Configured Navigation rules in the **JSF** configuration files to add new functionality to the application by writing new **JSPs**.
* Responsible for configuring and deploying the builds on **WebSphere** App Server. Implemented **J2EE** design patterns such as **Session Facade, Factory, DAO, DTO, and Proxy**.
* Wrote data Components for ERIC application wrote and called **Stored Procedures** using **Java, HQL, and Hibernate**.
* Implemented Java Web services using **Angular JS** components.
* Worked on **Angular** directives, Controllers, Filters, Services, Templets, Events and Injectors.
* Used **Angular JS** for **DOM** Manipulation, **Filters**, and **Directives**.
* Creating custom, general-use modules and components that extend the elements and modules of core **AngularJS.**
* Developed user interface using JSP with JavaBeans, JSTL, and Custom Tag Libraries, **JS, CSS, jQuery, Node.js**, **and HTML** to speed the application.
* Worked on **Java Beans** and other business components for the application and implemented new functionalities for the ERIC application.
* Used **MongoDB** in the backend to persistent data into the database and wrote **SQL/Mongo queries to access/update the data from/ to the database**.
* Worked on **Adobe Form Server** and **Extension Rights Server** for generating correspondences as **PDF and PDF forms** are submitted online.
* Involved in the **Agile** process of Extreme Programming that involved intensive code review, unit testing, and frequent interaction with customers and applying those changes effectively by introducing **checkpoints** in the requirements.
* Developed Business components using **Java Objects, Core Java, Multithreading, Servlet, and JSP**.
* Used **Java Architecture for XML Binding** (**JAXB**) for marshaling and un-marshaling Java objects and XML. And **Serena Dimensions** was used for the version control of the source code.
* Developed a report program to migrate project definitions and **WBS elements** from the **GSF system IES** system. **Log4j**frameworkwas usedto **debug** and trace the application.
* Experience in creating **Tables, Indexes, Constraints, Users Defined Functions, Views, Stored Procedures, Triggers and complex SQL statements**.
* Designed and developed the application using **agile methodology** and followed **TDD and Scrum**.

**Environment:** Java 1.5, J2EE 1.5, JAXB, XML, XSD, Angular, IBM WebSphere, Node.js, IBM DB2, IBM MQ, IBM Rational Application Developer (RAD) 7.0, JSF, Adobe LiveCycle Designer 7.0, Spring Web flow, Ext.js, XDP, Agile, Form Server, Aqua Data Studio, JavaScript, log4j, Junit, JMS.