**Lavanya Kunisetty**

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**3803883682 Sr. Java/J2EE Developer**

**Professional Summary:**

* Over all **11 years** of experience in Design, Development, Implementation and Maintenance of Java & J2EE applications using **Agile** and **waterfall** methodologies.
* Hands on experience in Requirement Analysis, High-level design using design patterns and Object-oriented programming and OOAD concepts.
* Completed projects using **Core Java, J2EE, EJB, SPRING, Struts, HIBERNATE, WEB SERVICES, RMI, Servlets, JSP, JPA, JSF, JNDI, JDBC, JMS, JavaScript, HTML, React js, SOAP and XML, XSLT, SQL, PLSQL, Ajax, Maven, and Ant-build scripts**.
* Hands-on experience in various java-programming tools like WSAD, Eclipse-3x, IntelliJ,
* RAD, JDeveloper.
* Hands on experience in all stages of Software Development Life Cycle (SDLC)
* Strong Experience in **PL/SQL, SQL, Stored Procedures, Triggers, functions, packages in Oracle, DB2.**
* Have Strong knowledge on C++ and C programming languages.
* Experience using **J2EE Design Patterns** like Composite View, Value Object, DAO, MVC, Singleton, Session Facade Pattern, Front Controller, MVC and Factory Pattern for reusing most efficient and effective strategies for new development.
* Extensively used Core Java concepts like Collections, Multithreading etc.
* Implemented **Restful** based web services using Jersey Framework.
* Good experience in working with Web/Application servers like Jboss4.x Application Server, WebLogic10.0&8.1, WebSphere6.x and Apache Tomcat5. x.
* Experience in performing Code reviews and peer reviews for maintaining best coding standards.
* Extensive experience in working on multiple operating systems including **UNIX, Linux,** and **Microsoft Windows**.
* Experienced in business/technical requirements capturing, configuration management, team coordination and software engineering processes.
* Expertise in Developing UI based **GUIS** using Java Applets, **HTML5, DHTML, JavaScript, TypeScript, AngularJS, ReactJS, NodeJS, XML, DOJO, AJAX, JSF, JSP & Spring form tags.**
* Experience in building REST API (Micro-services) using **NodeJS**.
* Expertise in using configuration management tools like **GIT**, **CVS, SVN, VSS and ClearCase, Star Team.**
* In-depth knowledge of Apache Subversion (SVN) and Jenkins Continuous Integration Server – Installation, Configuration, Design and Administration, and integrating these tools with other systems.
* Experience in Planning, Installation, Development and Administration of **WebSphere MQ, WebSphere Message Broker.**
* Experience in writing technical documents like Functional Requirement Document, Detail
* Design, creating screen mockups, Test Cases, Conducting Code/Peer Reviews, Testing (Unit
* and Integration), planning and leading training sessions.
* Worked on Splunk which is helpful for overall health check on the application.
* Strong analytical, debugging, problem solving skills, excellent communication,
* Presentation skills and a good team player.
* I worked extensively on Spring Security and OAuth token-based authentication.
* Experienced working in GCP environment in particular Google Big Query, Google storage etc.
* Worked on AWS Elastic load balancer, Auto scaling groups, EC2, Router 53, S3, Lambda.
* Working experience with Automation testing with Gulp and Pro UI
* Worked on CI/CD Pipeline using Jenkins.
* Proficiency in using **Jenkins** builds and **Pipelines** for continuous builds and deployments.

**Education:**

Bachelor’s in computer science & engineering, India, JNTU

Masters in computer science, New York, NYIT

**Technical Skills:**

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| **Programming** **Languages**: | Java/J2EE, Core Java, C, C++, JavaScript, XML, HTML, AngularJS, ReactJS, NodeJS, Typescript, PL/SQL |
| **Web Technologies:** | JSP, Servlets, Swing, JDBC, JNDI, J2EE, XML, HTML, SOAP, JMS, Hibernate, EJB 2.1/3.0, RMI, WSDL, UDDI, DOM, SAX, XSL, X Path, HTML, AXIS and Web Services. |
| **Development Tools** | Eclipse, IntelliJ, WSAD, RAD, Ant, Maven. |
| **Frameworks** | Struts, JSF, Spring, Spring MVC, Spring boot, microservices, Hibernate. |
| **Designing Tools** | Rational Rose, Together, Agile Methodology. |
| **Web/App Servers** | JBoss 4.0.5, WebLogic 8.1/10.x, WebSphere 6, Apache Tomcat 5.5/6. |
| **Databases** | Oracle 8i/9i/10g/11g, SQL Server, Sybase11.x, DB2, MySQL. |
| **Distributed Tech** | J2EE, EJB, Springs, RMI, Web Services, MQSeries. |
| **Configuration Tools** | Source of Site, GIT, StarTeam, VSS, CVS, Clear Case. |
| **Design Patterns** | Composite View, MVC, DAO, Singleton, Business Delegate Design Pattern. |
| **Operating Systems** | Windows XP/NT/2000, UNIX, Linux. |

**Professional Experience:**

**Client: John Deere, Moline, IL July 2022– Till date**

**Role: Full Stack Java Developer**

John Deere Parts Retail Information Solutions Management is a tool for parts replenishment and parts management. This system finds the parts which can potentially be replaced in the near future using different data sources like warranty and telematics systems and drive the parts sales opportunity in a dealer’s Area of Responsibility. This system was developed for John Deere Dealer Parts Management team who will work with dealers. With John Deere owning the program, there are several updates to be made from the dealer’s feedback, allowing the system to have the features and benefits that most help the dealers. This system complements the Dealer’s Business System (DBS) by communicating with the DBS and other John Deere Systems.

**Roles & Responsibilities:**

* Involved in various phases of Software Development Life Cycle (SDLC) such as requirements gathering, modeling, analysis, design, development, testing and application support.
* Developed the UI component architecture for developer framework using **Angular, Typescript, HTML5, CSS3 and Bootstrap.**
* Created custom, self-contained, reusable, and testable **Angular modules, controllers,** **directives**, and **services t**o implement key functionalities for customer account summary.
* Took part in setting up the routing configuration using Angular Router for various views and sub views.
* Used Java 8 features like stream and Lambda expressions.
* Maintained Interface compatibility and concurrency in the project using Java 8 new features like default, static methods, and Concurrency API.
* Used IntelliJ, Visual Studio IDE for Debugging and development of Application.
* Designed and developed Micro Services business components using Spring Boot.
* Used Spring MVC framework for implementing Model-View-Controller (MVC) architecture at the Web tier level to isolate each layer of the application so that the complexity of integration will be reduced, maintenance will be very easy.
* Used Spring AOP for solving crosscutting concerns like keeping logged data and transactions details etc.
* Used Spring Batch for processing a large amount of data like transaction management, job processing, resource management and logging.
* Secured the API's by implementing Oath 2.0 token-based authentication/authorization scheme using Spring security.
* Used Hibernate ORM framework as persistence engine and wrote Hibernate Queries to automate the mapping between Oracle database and Objects in Java.
* Involved in writing SQL and Stored Procedures for handling complex queries with help of MySQL Workbench, TOAD and access them through Java Programs from Oracle Database.
* Experience in writing complex PL/SQL queries using joins, Stored Procedures, Functions, Triggers, cursors, and indexes in Data Access Layer.
* Worked with MongoDB to store non-relational data into the collection and retrieve them whenever required. Worked with Cosmos DB, Atlas and tools like Compass to communicate with MongoDB.
* Used WebLogic Application Server to route our JMS queue messages to different business floors and configured routes in WebLogic and used JMS in the e-mail notification.
* Developed Restful Microservices using Spring Rest and MVC, for OSS services.
* Hands on Coding to build REST Microservices using Spring Cloud, Oracle, XSD, JSON, Spring Config, Cloud Foundry and Jenkins.
* Developed and published Web Services using Spring Rest and JAX-RS API.
* Worked on logging and monitoring and automation Test case.
* Responsible for creating an instance on Amazon EC2 (AWS) and deployed the application on it.
* Installed, secured, and configured AWS cloud servers and Amazon AWS virtual servers (Linux).
* Worked on developing Restful endpoints to cache application specific data in in-memory data clusters like REDIS and exposed them with Restful endpoints.
* Focused on Test Driven Development by creating detailed JUnit tests using Mockito for every single piece of functionality before writing the functionality.
* Worked in an Agile environment using SDLC tools like GIT, Jira, Jenkins, and Maven for build packaging and deployments of the application components.

**Environment:** Agile, Java 8, HTML5, CSS3, JavaScript, jQuery, Angular2, Spring Boot, Spring Rest, Spring Cloud, Spring MVC, Spring AOP, Spring Batch, OAuth2, Hibernate, Oracle, MongoDB, WebLogic Application Server, JMS, Microservices, AWS, RESTful web services, TDD, GIT, JIRA, Jenkins, Maven.

**Client: JP Morgan Chase & Co, IL Sep 2020 – July2022**

**Role: Java Microservices Developer**

Merchant Services Platform at JPMC delivers integrated global solutions and exceptional client service so that clients can grow and protect their business by securely accepting any payment, in any currency, anywhere in the world. It provides end-to-end financial partnership to the clients. There are different life cycles within Helix Platform, Payment lifecycle, Merchant lifecycle, Data and Funding. This Project is about developing a merchant profile system that takes care of on-boarding new merchants to the platform and does various types of maintenance and updated to merchant.

**Roles & Responsibilities:**

* Involved in complete software development life cycle - Requirements gathering, Conceptual design, Analysis, Detailed design, and Development.
* Followed Scaled Agile Methodology to Implement the Project and used JIRA to track and mange Iteration progress.
* *Architected the System using Micro Services and deployed them to Pivotal Cloud Foundry (PCF).*
* *Used Spring Boot with Embedded Tomcat and followed Continuous Integration and Continuous Delivery for developing the Web Application.*
* *Implemented and developed* applications *using Spring (IOC, AOP, MVC, Security, Boot, and Batch), Hibernate, and REST based Web Services.*
* *Used Spring, Java8, JPA/Hibernate and Web Services to interact with other applications in an organization using SOAP and REST.*
* *Used Spring Integration for listening to Events on Message* Queues *as an Integration point for Legacy Systems in the Enterprise.*
* Worked on Apache Kafka, Zookeeper.
* Implemented the authentication, authorization, and access-control features by using Spring Security and OAuth.
* Implemented API Security using JWT and Mutual Authentication.
* Used Gradle as build tool, log back for logging, Junit for unit testing, Cucumber for Behavior Driven Development and Serenity for Automated Test Reports.
* Used Splunk for Centralized log management and Analysis.
* Used Webpack, NodeJS, NPM modules for building the Single page Application.
* Implemented the web application using HTML, CSS, JavaScript and Angular.
* Used GIT as source control management and Created Jenkins pipeline scripts using Groovy for Continuous Integration.
* Participate in Code Analysis, and Test Plan Reviews
* Handled the Release Process and provided implementation support.
* Responsible for creating an instance on Amazon EC2 (AWS) and deploying the application on it.
* Responsible for resolving design issues and developing strategies to make ongoing improvements that support system flexibility and performance.

**Environment:** Java8, Spring Framework 4.x, REST, Maven, Cassandra Continuous Integration using Jenkins, Git/ Distributed Version Control, Spring Boot, Model View Controller Pattern, Spring Integration, Database concepts, JUnit, TDD/Integration Test (REST Assured), Principles of Object Oriented Programming, Spring Data JPA, Tomcat, HTML5, CSS, JavaScript, jQuery, AngularJS, Nexus repository manager for software management and Distribution, Kubernetes, AKANA SOA governance tool for API management and Security.

**Client: IBM Cary, NC. Sep 2018– Sep 2020**

**Role: Full Stack Java Developer**

Watson Customer engagement project Implements various Services like Click Through, Dynamic Link Leader, Domain to Pod, Sent Message Definition etc., called Recipient Event Services, which are the Services to process WCA (Watson Campaign Automation) messaging events outside of the pod, deployed into the WCE.

**Roles & Responsibilities:**

* Involved in business requirements gathering and Analysis, Design, Development, Integration and testing of application modules.
* Involved in various phases of Software Development Life Cycle (SDLC) as requirement gathering, data modeling, analysis, architecture design & development for the project.
* Implemented agile methodology throughout the project development lifecycles.
* Involved in working with **Couchbase Server** and **H2 Database**.
* Excellent experience in implementing **REST services** which communicate data in JSON.
* Responsible for Development of Webpage using HTML5, JavaScript, jQuery, **ReactJS**, Immutable Js including Ajax controls and Json.
* Used Babel as a transpiler, Webpack as the module bundler in **React JS and Redux.**
* Worked with **Gradle, Docker, and kinematic.**
* Good working experience in Junit using **Mockito** for testing accuracy of code.
* Extensively used **Postman** for testing the Rest API services and to verify functionality from backend perspective.
* Developed Automation test using **Fitness tool**.
* Worked on **Spring boot**, **Microservices and** **Rest web services.**
* Used **Jenkins** for continuous integration and deployment.
* Used **GIT** for version control.
* Used GCP for Storage, Google pub/sub, Google spanner etc.
* Used **version1** to track and create User stories.
* Used **Fisheye** to request perform and manage code reviews.
* Worked on **kinematics** tool which provides a graphical user interface for running Docker containers and to access the container logs for Kafka and zookeeper.

**Environment:** Core Java, J2EE, Spring Restful, Spring boot, GitHub, IntelliJ, Gradle, Docker, Couchbase, H2database, Postman, Version1, Jenkins, Fisheye.

**Client: CVS Health Care, Buffalo Grove, IL**  **Jan 2018– Sep 2018**

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

The message processing application is used to send out Order Status and Refill Reminder alerts for various channels like Email, SMS and IVR to CVS Health patients. Patient can choose his preference of the channels and the alerts he wants to receive for various interactions on CVS and Caremark.com websites. This helps the patient to receive communication in a timely manner.

**Roles & Responsibilities:**

* Involved in business requirements gathering and Analysis, Design, Development, Integration and testing of application modules.
* Involved in various phases of Software Development Life Cycle (SDLC) as requirement gathering, data modeling, analysis, architecture design & development for the project.
* Designed applications using Java Design Patterns such as Singleton and Factory.
* Implemented agile methodology throughout the project development lifecycles.
* Involved in working with WebSphere MQ 5.3 and 6.0.
* Responsible for setting up Angular JS for UI development. Developed html views with HTML, CSS3, JSON and AngularJS.
* worked with Jbehave tool.
* Design and developed various views and partial views using Object Oriented JavaScript, JSON, jQuery, Ajax Helpers and Node.js, Backbone.js, Bootstrap.
* Involved in developing HTML and JavaScript for client-side presentation and, data validation on the client side within the forms.
* Involved in Design and implementing BPM based solutions using **BPM (Appian**) software.
* Involved in writing Spring Restful Web services using JSON / XML.
* Created the PL/SQL stored procedure, function, triggers for the Oracle 11g database.
* Prepared JUnit test cases, Mock Objects to unit test individual components.
* Installed and configured Hadoop Map Reduce, HDFS, developed multiple Map Reduce jobs in java for data cleaning and preprocessing.
* Good working experience in extreme programming tools like Ant, Maven, Log4j and JUnit.
* Involved in installing, configuring, and using Hadoop Ecosystem components.
* Supported Map Reduce Programs that are running on the cluster. Involved in loading data from the UNIX file system to HDFS.

**Environment:** JSP**,** HTML5/HTML, CSS3/CSS, JavaScript, jQuery, JAVA, RESTFUL, JSON, Angular.js, Node.js,Backbone.js, Spring Restful, SVN, Hadoop 1.2.1, Map Reduce, XML, Eclipse, Internet Explorer, maven, Firefox, Chrome**.**

**Client: GE Energy, Atlanta, GA** **Dec 2016 - Dec 2017**

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

**GE Energy** mostly deals with power related projects, my project is about Turbines and their maintenance we are responsible for developing APM which is a new system that maintains alarms for the turbine and if the alarms are severe, it creates a case for an alarm, and it has different forms and data and it also involves template ingestion for Alerts and cases.

**Roles & Responsibilities:**

* Involved in design and development of applications and new features for **GE**’s **APM** core product.
* Developed the applications using **GE Predix** platform and **SCRUM** methodology.
* Good work experience in**Spring Microservices**and**Spring boot**application development**.**
* Extensive Knowledge in using best practices and **JAVA JEE Design patterns**.
* Strong Experience in persistence frameworks like **Hibernate** and **JPA**.
* Consumed **Web Services** for **transferring data between** different applications.
* Experience in developing **Restful web services** and **Spring Micro Services**.
* Experienced in Deploying the applications to **Cloud Foundry.**
* Used **Rally** for working tickets and team track for tracking the changes in the code.
* For version control we used **SVN** repository.
* Extensive experience in **Agile-Scrum** methodologies and **Pair programming**.
* Good experience in installing, deploying, and testing with multiple Servers like **Tomcat, Jboss** and **WebSphere**.
* Implemented Kafka producer and consumer applications with Kafka cluster setup with the help of zookeeper.
* Having good experience with Unit Testing frameworks like Junit, Mockito and Testing.
* Experience in Messaging systems like **RabbitMQ** and workflow system like **Azuqua**.
* Worked with Automation testing with Gulp and ProUI.
* Used JBPM for process management and notation.
* Involved in creating a **CI/CD** **process** to build and deployment micro services and micro apps using **Jenkins Pipeline** and **Docker.**

**Environment**: Predix 2, Cloud Foundry, Java 8, JEE, JBPM, Spring Boot, RESTful Services, Spring Boot, Spring WS, Angular JS, Polymer JS, High Charts, Maven, XML, JUnit, Testing, Selenium, Protractor, Jenkins CI/CD, Apache, PostgreSQL, Oracle, MS SQL, Linux, SCRUM, Spring Tool Suite, IntelliJ.

**Client: MeteorCOMM LLC, Renton, WA Jan 2014** - **Nov 2016**

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

**Meteorcomm** is the rail industry’s trusted choice for wireless communications technology that reliably transports mission-critical information. With a robust data backbone that is integrated into the railroads’ IT infrastructure, Meteorcomm delivers innovative solutions that enable Positive Train Control (PTC) compliance and improve operational efficiencies.

**Roles & Responsibilities:**

* Involved in business requirements gathering and Analysis, Design, Development, Integration and testing of application modules.
* Involved in various phases of Software Development Life Cycle (SDLC) as requirement gathering, data modeling, analysis, architecture design & development for the project.
* Involved in Object Oriented design and development.
* Involved in Linux software application development.
* Implemented agile methodology throughout the project development lifecycles.
* Responsible for setting up Angular JS for UI development. Developed html views with HTML, CSS3 and AngularJS.
* Established continuous integration. Set up Jenkins’s server and build jobs to provide continuous automated builds based on polling the Git source control system during the day and periodic scheduled builds overnight to support development needs using Jenkins, Git, JUnit, Selenium and Maven.
* Design and developed various views and partial view using Object Oriented JavaScript, JSON, JQuery, Ajax Helpers and Node.js, Backbone.js, Bootstrap.
* Involved in developing HTML and JavaScript for client-side presentation and data validation on the client side within the forms.
* worked on production on-call support and ticket SLA.
* Have a good knowledge of Microservices and Containerization.
* Worked in writing Spring Restful Web services using JSON / XML.
* Created the PL/SQL stored procedure, function, triggers for the Oracle 12c database.
* worked in using SVN Configuration tool.
* Used Tiger VNC for Virtual Network Computing.  (Tiger VNC in Red Hat Enterprise Linux 7).
* Used advanced AngularJS structure-with-gulp-node and Browserify.

**Environment:** JSP**,** HTML5/HTML, CSS3/CSS, JavaScript, JQuery, JAVA, Restful, JSON, Angular.js1.5, Node.js,Backbone.js, Spring Restful, Jenkins, Maven, Hibernate JPA, Java, XML, Git, Rally Software, oracle 12c, Apache Kafka, Eclipse, Internet Explorer, Firefox, Chrome

**Client: Texas Railroad Commission, Austin, Texas. June 2012 - Jan 2014**

**Role: Java/J2EE Developer**

Texas Railroad Commission Provides permissions for new pipelines renew the permissions of old pipelines, Pipeline Permit Amendments and Pipeline Permit In activations. This Project allows the Customers and other state agency personnel to access the documents that have been submitted electronically as well as reports based on Pipeline Permit data.

**Roles & Responsibilities:**

* Interacting with the business and user group to ascertain requirements with detailed functional and technical analysis with OOAD concepts and Agile RUP Methodology.
* Extensively used Struts component classes for developing applications for handling user requests.
* Extensively used JSF 2.0 (Java Server Faces) and Prime Faces5.1.
* Involved in High Level Design and prepared Logical view of the Application.
* Involved in designing and developing of Object-Oriented methodologies using UML and created Use Case, Class, Sequence diagrams.
* Has working experience in desktop application.
* Extensively used Core Java concepts.
* Provided services to third party clients through RESTFUL implementation.
* Involved with Spring IOC concepts to integrate Hibernate Dao classes.
* Developed Data Access Classes using Hibernate.
* Involved in writing Stored Procedures and Functions, Triggers.
* Created Data Source and deployed the Web application in application Server.
* Implemented EJB Components using State less Session Beans.
* Created java Interfaces and Abstract classes for different functionalities.
* Implemented Multithread concepts in java classes to avoid deadlocking.
* Extensively worked with collections classes like Array List, HashMap, Iterator etc.
* Implemented java design patterns like Singleton, Factory, Command patterns.
* Communicated with external applications JMS messages using MQ Series.
* Written independent JavaScript, CSS files and reused in UI pages.
* Developed persistence layer using ORM Hibernate for transparently store objects into database.
* Parsing of XML using SAX and DOM Parsers.
* Maven is used as build tool.
* Used JUnit to write repeatable tests mainly for unit testing.
* Creating XML based configuration, property files for application and developing parsers using JAXP, SAX, and DOM technologies.

**Environment:** Java1.5, J2EE, Servlets2.5, Struts1.2, Spring3, JSTL, Hibernate, XML, Clear Case, JMS, JAXP, XSLT, JMS1.1, Eclipse, WebLogic, UML, Rational Rose, Log4J, **Oracle 11g**, dojo2.0, JUnit, Apache Axis, Web services, MQ Series, SOAP, ANT, WSDL, maven, Jenkins, Quality Center, PL/SQL