**Noel Raj**

Contact no: +1 (410) 717-3514

Email id: [noeln4673@gmail.com](mailto:noeln4673@gmail.com)

**Summary:**

* 15+ years of experience in development of software applications using Object-Oriented Programming and Java Technologies.
* Extensively worked on Core Java, J2EE technologies, including Servlets, JSP and JDBC.
* Hands on experience in JDBC and creating Data Source to communicate the DB through SQL.
* Proficient in setting up Angular JS framework for UI development, developed html views with HTML 4/5, CSS 2/3, jQuery, AJAX, JSON, and Java Script.
* Extensive experience on modern front-end template frameworks for JavaScript - Including Bootstrap, jQuery ReactJS and AngularJS.
* Extensive experience in modelling applications using MVC (Model-View-Controller) JavaScript like angular JS,
* Experience developing web applications using Spring 5 Reactive libraries like Web Flux and Project Reactor as well as normal Spring Web
* Strong experience in Scrum Methodologies, UML and Test-Driven Methodologies and MVC based frameworks like spring, Struts, Hibernate.
* Experienced in working with Spark eco system using SCALA and HIVE Queries on different data formats like Text file and parquet.
* Extensive knowledge in developing applications in a single page (SPAs) using various JavaScript frameworks like AngularJS, React.js, Node.js, BackboneJS and Bootstrap.
* Experienced with Linux system administration, DevOps and AWS cloud platform.
* Experienced in developing micro services using Node-JS, Happi-JS, Express-JS, Docker, H202 and AWS. Solid experience on JavaScript Frameworks like MVC/MVVM JavaScript frameworks and Exposure to Node.js.
* Experience in User Experience (UX) design and development, User Interactive (UI) Web Pages and visually appealing User Interfaces using HTML 5, CSS3, Bootstrap, SASS, JavaScript, jQuery, Vue is, Angular.js, Angular 2/4, Typescript, Node.js and React.js.
* Experience working on scalable environment using Agile/SCRUM methodologies. Expertise in designing and developing Web applications using HTML, DHTML, CSS, XML, JSON, JavaScript, AJAX, Angular.js, Node.js, Backbone.js, TypeScript, ES6, Redux, React, Bootstrap.
* Experience in designing, developing and deploying J2EE applications on IBM WebSphere / WebLogic Application Servers, Tomcat, etc.
* Proficient in RDBMS concepts and worked with MySQL, Oracle, PostgreSQL, DB2 and NoSQL database such as MongoDB.
* Experience with Apache Kafka and Zookeeper apart from JMS as messaging service.
* Experience in using JSP and Servlets to create web interfaces and integrating Apache tools like Kafka.
* Expertise on entire Software Development Life Cycle (SDLC) in Intranet and Internet applications using Web/Application Servers like Tomcat, JBoss, WebSphere and WebLogic Application Server.
* Experience in Servlets, JSP, Spring MVC, JDBC, EJB, Entity Beans and MDB, Custom Tags and JMS.
* Expertise in Servlets, JSP’s, Struts, spring, Hibernate, Java Beans, JDBC, JPA, Java, JNDI, JMS, SQL, PLSQL.
* Extensive experience in working over Web Services with SOAP and RESTFUL.
* Hands on exposure to multiple Application Servers like JBoss, JBOSS DROOLS engine, IBM WebSphere Server and BEA WebLogic
* Experience in UI DESIGN/ development and implementation of Object-Oriented Applications.
* Experience with event driven applications using AJAX, jQuery, JavaScript, JSON.
* Strong Database skills with SQL Server, MySQL, DB2 and Oracle.
* Experience in databases like SQL, Oracle to manage tables, views, indexes, sequences, stored procedures, functions, triggers and packages.
* Experience with Requests, Pysftp, Gnupg, Report Lab, NumPy, SciPy, Matplotlib, HTTPLib2, Urllib2, Beautiful Soup and Pandas python libraries during development lifecycle.
* Experience in developing web-based applications using Python 2.7/3.0, Django 1.7/1.8, PHP, Angular JS, C++, XML, CSS, HTML, JavaScript and jQuery.
* Used JWT (JSON web tokens) mechanism for authentication and authorization security configurations using Node JS.
* Ran Log aggregations, website Activity tracking and commit log for distributed system using Apache Kafka.
* Deployed and monitored scalable infrastructure on Amazon web services specifically on AWS EC2.
* Good Knowledge on Docker components like Docker Engine, Hub, Machine, Compose and Docker Registry.

**TECHNICAL SKILLS:**

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| --- | --- |
| Operating Systems | Microsoft Windows, Linux |
| Languages | Java, C/C++, SQL, Python, Assembly |
| Scripting Languages | JavaScript, TypeScript |
| Web Technologies | HTML 5, CSS 3, JSON, Bootstrap, jQuery, Angular1,2,4,5 ReactJS Backbone JS, Ajax. |
| Java/JEE technologies | Core Java, Servlet, JSP, JDBC, JMS, JPA, JSTL and Web Services |
| CSS Pre-Processors | SASS, LESS |
| IDE’s | Eclipse, NetBeans, VS Code, JetBrains WebStorm |
| ORM Framework | Hibernate |
| Batch Scripting | ANT, Maven |
| CI/CD Tools | Jenkins, Azure DevOps, Ansible, Kubernetes, Docker |
| Debugging Tools | Chrome Developer Tools, Firebug |
| Web Servers | Tomcat, Glassfish |
| App Servers | Web Logic, Web Sphere, Wild Fly (Jboss) |
| Databases | Oracle, MySQL, SQL Server |
| MVC Frameworks | Struts 2, JSF 1.2, Spring 2.5 & 3.0 |
| Web Services | SOAP, REST |
| Testing Tools | Karma, Jasmine, Protractor, Junit, HP ALM, Ready API |
| Version Controls | TFS, GIT, SVN, SourceTree, Azure Repos |
| Methodologies | Agile, Scrum |

### **PROFESSIONALEXPERIENCE Client: Equinix, Redwood City, California Sep 2020 – Present**

**Role: Lead Full Stack Developer   
Responsibilities:**

* Developed user interface using JSP with JavaBeans, JSTL and Custom Tag Libraries, JS, CSS, JQuery, Node js, Angular Js, and HTML to speed the application.
* Developed user interfaces using AJAX, JavaScript, JSON, HTML5, and CSS3.
* Developed dynamic responsive Web Application by integrating Angular2 with Bootstrap which is further integrated with Web Services and Vue js.
* Managed large datasets using Panda data frames and PostgreSQL.
* Designed and developed data management system using PostgreSQL.
* Developed single page applications using Angular 2, Vue js, Typescript, web pack and grunt.
* Developed a few UI modules for the mobile version of the website using ReactJS. Developed application as Enterprise JavaScript using - AngularJS, Nodejs, WebSocket’s, Jasmine, Karma, NPM, Gulp, Protractor.
* Re-designed, re-architected and built the existing application using Java 11, Spring Boot, Spring Reactive Stack (Web Flux), GCP, PostgreSQL and Maven.
* Experience working with Confluent Kafka event streaming platform version 4.x, 5.x.
* Experience in utilizing and implementing Confluent Schema Registry with Kafka.
* Implemented Spring boot microservices to process the messages into the Kafka cluster setup.
* Providing a responsive, AJAX-driven design using JavaScript libraries such as AngularJS, Node.js, D3.js, Backbone.js, Bootstrap.js and Bootstrap.js
* Developed Spark Applications by using Scala, Java and Implemented Apache Spark data processing project to handle data from various RDBMS and Streaming sources.
* Developed Spark Programs using Scala and Java API's and performed transformations and actions on RDD's.
* Involved in converting Hive/SQL queries into Spark transformations using Spark RDD, Scala and Python.
* Developed various daily jobs using PL/SQL stored procedure to update notification status in multiple tables.
* Used Agile/ Scrum development methodology and maintained Scrum related information in Rally. Hands on experience on web services (SOAP, REST) and applied Agile methodologies; MVC design pattern used; accompanied with Hibernate persistence.
* Developed and performed unit testing scripts with Junit API and Power Mock API in TDD environments.
* Provided design and mentor framework integrated implementation for interactive web application development.
* Developed, configured, and maintained a new GraphQL service using Spring Boot, Spring Web Flux, Reactor, which was responsible for communicating with the SOAP/REST endpoints in our existing microservices to fetch the required data.
* Implemented the services using Spring Boot and Spring Cloud and used Spring MVC framework for building the application based on MVC design paradigm.
* Optimized Microservices using NodeJS and ES6 as interfaces to Cassandra NoSQL database. Developed the S park-Kafka-Producer-Consumer module and was involved in developing applications using Java and J2EE.
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* Experience with Front-end JavaScript frameworks like Angular JS, Node JS. And with the creation of RESTful Web service.
* Worked with Lambdas and streams in java 1.8, along with spring web flux to implement complete nonblocking code for improved scalability and reduced cost approach on cloud. Spring, Webservice & Micro Services Development
* Solved frontend issues on GitLab tracing the problem through the whole stack.
* Designed and implemented container-based polyglot microservice architecture using Docker and ActiveMQ for new application infrastructure.
* Have work exposure on continuous Integration and continuous Delivery (CI/CD) tools such as Jenkins.
* Used Bootstrap and AngularJS, React.js and Node.js in effective web design. Developed the Servlets, Data Access Layer classes and retrieved data using Servlets, JDBC and harmonized data coming from different sources using Kafka to bring it to consistent format.
* Designed necessary backend Java classes to support data access and user authorization. Completed test cases using Junit.
* Implemented the Microservices using S Pring Boot and Spring Cloud and used Spring MVC framework for building the application based on MVC design paradigm.
* Used Hibernate framework (ORM)to connect the application with the Database and for Entity Relational Mapping.
* Developed Data Access Layer using Spring JDBC framework and wrote SQL queries and Stored Procedures for interacting with the Oracle database.
* Developed and optimized services using NodeJS and ES6 as interfaces to Cassandra NoSQL database.
* Enabled different security authentication mechanisms across mongo instances.
* Implemented contracts administrator service using Kafka, Spark and Java. Designed the Backend-API using mongoose with express framework. Connected to the Mongo database using Mongoose.
* Assisted in analyzing and querying multiple, complex database sand systems to produce reports and database was part of production support team to resolve the production incidents.
* Documentation of common problems prior to go-live and while actively in a Production Support role.

**Environment**: Java, JavaScript, CSS, XML, spring, PostgreSQL, NetBeans, Angular Js, Hibernate, Node Js, Kafka, JBOSS, Spring 3.1, Tomcat, JPA, JQuery, RESTful, JSON, Junit, Nginx.

**Client: Amex, San Jose, United States July 2017 –Aug 2020**

### **Role: Lead Full Stack Developer**

### **Responsibilities:**

* Developed the User Interactive web pages in a professional manner by using web technologies like HTML/ HTML5, XHTML, CSS3, JavaScript as per company standards.
* Extensively used CSS LESS/SASS as pre-processors which extend the properties of CSS.
* Worked throughout the full stack (Node JS, Angular JS) to see software extensions through to completion.
* Developed and tested many features in an AGILE environment using Ruby on Rails, HTML5, CSS, JavaScript, Node js, Vue js.
* Comfortable working within the Django ORM, writing native SQL queries in PostgreSQL.
* Using React Js, worked on applications for Bash terminal component to add Extensible commands and autocomplete in content writing.
* Developed the online web application using HTML/CSS & JavaScript, Angular js /Angular4/5, Vue js, Node js, Spring Boot, Spring MVN and Bootstrap.
* Technology leadership for the direction of the Cloud based application using Node JS, PDFJS, MongoDB and MS SQL Server integrating to a proprietary framework.
* Involved in developing the UI panels using XHTML, CSS, JSON, DOJO, AngularJS.
* Wrote coding highly flexible, scalable, & distributed applications using Scala.
* Created and consumed RESTful Web services in Scala, Play using AKKA.
* Worked on implementing React.js flux based page updates using React fetchers, state mutating actions and stores.
* Extensively used React Flux implementations Alt and Redux and their architectures.
* Involved in the development of presentation layer and GUI framework using HTML. Client-Side validations were done using JavaScript and AngularJS.
* Worked multiple components for different course element players and quiz question players using Vue js and Vuex.
* Used Angular.JS, MVC Framework in the development of the web application to bind the data/model that was retrieved from a database through services provided in a controller to the view using scope.
* Used AngularJS as framework to create a Single Page Application (SPA) which can bind data to specific views and synchronize data with server using SASS, LESS, Bootstrap, JavaScript AngularJS.
* Used built in directives for the two-way data bindings and used scope, resource extensively in AngularJS.
* Used $http with Angular.JS interceptors to make sure the requests were valid and used ng-router to handle nested views and avoid page redirection.
* Developed multiple screens for Mobile Browsers such as Safari, Chrome, Opera to support the screen Compatibility and Resolution using Bootstrap.
* Developed Search Engine, Slider-Directives, Grids, Checkbox directives, and other functionalities using AngularJS.
* Used Node js to run Grunt tasks and build properly the project (compile, minify etc.) Worked with modules like MongoDB and mongoose for database persistence using Node JS to interact with mongo db.
* Used date-format and moment packages in Node JS to save the timestamp in database converting into UTC.
* Involved in writing application-level code to interact with APIs, Web Services using JavaScript, AJAX, JSON, XML, AngularJS, Node JS and jQuery.
* Debugged the website using Chrome Developer's tools and hardcoded the API into script for getting the information about merchants using Node JS.
* Used Web services (SOAP and RESTful) for transmission of large blocks of XML/JSON.
* Developed Object Oriented JavaScript code and responsible for client-side validations using JQuery. Worked with TypeScript and JSON web tokens for authentication and authorization security configurations using Node JS
* Involved in implementation of RESTFUL web service APIs using Node js, which were consumed by making AJAX calls and JSON as data exchanging tool.
* Worked with unit testing of JavaScript applications using Karma, Jasmine, Jest, enzyme.
* Implemented test cases and performed unit testing using Jasmine and Karma.
* Experience on using Gulp implementation.
* Used SVN, GIT for source code version control. Integrated MongoDB and Spring communication and established data mappings and used MongoDB repository and Spring Mongo template for persistence.
* Involved in Requirement analysis, preparing software Design document, development, debugging of Operations Management module in Strategic Billing project.

**Environment**: TypeScript, Node JS, Vue js, HTML5, CSS3, PostgreSQL, JavaScript, jQuery, AngularJS, LESS, JSON, AJAX, Bootstrap, Tomcat, Oracle 11g, UNIX, SVN, GIT, jasmine, and Maven.

### **Client: Matter port, Sunnyvale, California Sep 2014 – June 2017**

### **Role: Sr Software Engineer**

### **Responsibilities:**

* Involved in developing user interface with HTML5, CSS3, SAAS, JSON, AJAX, React JS, Typescript, Es6 and on server-side Technology with Node JS.
* Working on backend Java REST API services which support retail logistics related applications and retail EDI transaction sets.
* Created single page applications using Node js, AngularJS, ReactJS.
* Developed responsive client-side application to integrate with server side using JavaScript, jQuery, AngularJS, Node js, Vue js and Bootstrap.
* Worked with Bootstrap for compiling CSS, REST API, ReactJS, JavaScript and building the System with the convenient methods with Angular JS.
* Worked with JAVA8 features like Functional Interfaces, Stream API for Bulk Data Operations, Time API, Transaction Management, Concurrency API, Collection API, Calendar API.
* Implemented responsive web design using Bootstrap.
* Designed modular and reusable React components using Redux Architecture and Material-UI.
* Worked on React JSVirtual Dom and React views, rendering using components which contains additional components called custom HTML tags.
* Implemented various screens for the front end using React js and used various predefined components from NPM (Node Package Manager) and redux library.
* Worked in using React JS components, Forms, Events, Keys, Router, Animations, and Redux concept.
* Used OAUTH 2.0 which is a lightweight authentication framework with a central authorization server and generates an access token to access a protected resource on a resource server.
* Developed RESTful service interface using Spring Boot to the underlying Agent Services API and Implemented RESTful web services.
* Used Spring Boot which removes boilerplate configuration and makes application faster.
* Used spring Boot properties like actuators and health checkers to enhance micro service implementations.
* Used Express JS which respond to HTTP Requests and dynamically render HTML Pages based on passing arguments to templates.
* Have worked with big data to generate the Rest API and integrated that API to Client-side code using Node JS, Express JS.
* Worked on Socket.IO which enables the real-time bidirectional event-based communication.
* Unstructured data was handled using Cassandra DB and used Cassandra Connector for connection.
* Composed and executed Cassandra DB scripts and queries to fetch and test data from NoSQL databases.
* Used Apache Kafka (Message Queues) for reliable and asynchronous exchange of vital information between multiple business applications.
* Used Jenkins for continuous deployment and integration of the build and release process.
* Experienced in working with Babel and Webpack in application build and deployment processes.
* Extensively used Mocha and Chai JavaScript unit testing tools for testing JavaScript pages.
* Worked on creation of custom Docker container images, tagging and pushing the images.
* Designed, configured, and deployed Amazon Web Services (AWS) for a multitude of applications utilizing the Amazon Web Services focusing on high-availability, fault tolerance and auto-scaling.
* AWS cloud formation, AWS IAm Roles, EMR cluster.
* Installed the application on AWS EC2 instances and configured the storage on S3 buckets.
* Used MAVEN for building the project, dependency and documentation which is based on POM (project object model).

**Environment**: HTML5, CSS3, SAAS, JSON, AJAX, Bootstrap, React JS, Vue Js, Maven, Spring Boot, Spring IOC, OAuth 2, Node JS, Express JS, NPM, Grunt, Babel, Webpack, Docker, AWS, Apache Kafka, RESTful, JAX-RS, Swagger, GIT, Jenkins, MySQL, NoSQL, Cassandra DB, Mocha, Chai.

### **Client: Thrivent Financial, Wisconsin, United States Sep 2013 – June 2014**

### **Role: Sr Software Engineer**

### **Responsibilities:**

* Extensively worked with XML schema XSD, XSL/XSLT, XML to navigate in XML documents, and SAX to process and parse xml files
* CSS is used to style Web pages, XML markup.
* Implemented servlets to handle HTTP requests for on-line requests, credit card payments, registration and bug tracking.
* Developed DAO objects and implemented data access layer using JPA-Hibernate to perform CRUD operations.
* Created and maintained mapping files, persisting classes and transaction control in Hibernate to access the database.
* Formulated Use Cases for each business requirement and normalized the use cases to suit the requirements.
* Developed the custom tag to display various campaigns on Credit care Sign on and Welcome page.
* Developed the credit check module using Servlets and JSP Core Java components in Web logic Application Server.
* Designed use case diagrams, class diagrams, and sequence diagrams as a part of Design Phase using Rational Rose.
* Understanding and analyzing business requirements.
* Involved in injecting dependencies into code using spring core module.
* Involved in developing code for obtaining bean references in Spring framework using Dependency Injection DI or Inversion of Control IoC.
* Used JMS-MQ Bridge to send messages securely, reliably and asynchronously to Web Sphere MQ, which connects to the legacy systems.
* Developed Message Driven Beans for asynchronous processing of alerts.
* Extensively worked on Java server-side programming using Servlets, and JSP.
* Developed web services SOAP, WSDL and web services clients using JAXB and XML, implemented SOA architecture.
* Developed mail alert mechanism for alerting the users when their selection criteria are met.
* Created and implemented PL/SQL queries, views stored procedures and triggers.
* Used Log4J logging framework to write Log messages with various levels.
* Deployed web components, presentation components and business components in Web Logic Application Server.

**Environment**: Java 1.5, J2EE, Servlets, JSP 2.5, EJB 2.0, Hibernate 2.1, Spring 2.5, Log4J, JavaScript, JUnit 4.1, CVS, Rational Rose UML, Oracle10g, Web Logic Server 10.0, Eclipse IDE, Ant, XML/XSD, Jax-ws SOAP web services, SAX.

### **Client: Gleam Technologies Hyderabad July 2011 – June 2013**

### **Role: Java Developer**

### **Responsibilities**

* Involved in SDLC Requirements gathering, Analysis, Design, Development and testing of application using AGILE methodology (SCRUM) and TDD Development.
* Developed UI for Customer Service Modules and Reports using JSF Prime Faces, JSP's, Ajax4JSF framework (Ajax), JavaScript and Backing Beans.
* Functionalities include writing code in HTML, CSS, JavaScript, and jQuery, Ajax, JSON, AngularJS and Bootstrap.
* Implemented J2EE design patterns such as Session Facade, Factory, DAO, DTO, and MVC.
* Hibernate used as the ORM mapping tool and worked with Hibernate Query Language (HQL).
* Developed user management screens using JSFframework, business components using spring framework and DAO classes using Hibernate framework for persistence management and involved in integrating the frameworks for the project.
* Wrote Hibernate configuration file, hibernate mapping files and define persistence classes to persist the data into Oracle Database. Used Hibernate second level cache, eh cache to store the frequent access data.
* Developed the presentation n-Tier using JSP, Java Script and HTML.
* Involved in writing JSF Backing Beans for controlling the UI and writing custom components and validations.
* Implemented Ajax using Ajax4JSFFramework and nested TaglibsAPI along with other standard Taglibs in the application, as a better approach for screen development and reusability of visual components in the JSP pages.
* Implemented business logic in Middle Tier using pluggable components, which were specified in the customized xml documents using spring framework.
* Involved in designing data schema and development of SOAP WebServices with Axis implementation.
* Used JAXB 2 for converting Xml bindings to Java Beans.
* Created Logging aspects for auditing and logging purposes using Spring AOP and implemented security for the application using Spring Security and WSsecurity.
* SOAP (JAX-WS) web services have been developed to be consumed by middleware module to push the communication center messages into web module.
* responsible for deployments using IBM WebSphere application server. Configured and Integrated Spring and Hibernate frameworks.
* Developed Message Driven Beans (MDBs) for receiving and processing data from IBM MQ Series using JMS.
* Used Spring Batch to develop batch processing to handle bulk requests from the clients.

**Environment:** Java 6/J2EE, JMS, JNDI, JSP, JSF, My Faces, Prime Faces, Spring, Tiles, Hibernate, HTML, DHTML, IBM MQ Series, JAXB2, IBM WebSphere, HTML, CSS, jQuery, Gradle, Clear Quest, Oracle9i, AJAX, JSTL, Eclipse, Junit, JavaScript, VSS, Cucumber, Junit, SoapUI, Spring Security, WS security.

### **McLaren Automotive Ltd – London SEP 2009 – Apr 2011**

### **Jr. Java Developer**

### **Responsibilities:**

* Involved in Analysis, design and coding in J2EE Environment.
* Prepared Technical Specifications based on the functional requirements.
* Understanding and analyzing business requirements.
* Formulated Use Cases for each business requirement and normalized the use cases to suit the requirements.
* Participated in designing and developing the presentation web-based client using HTML5, CSS3, JavaScript, AJAX, JQuery, JSP and JSFs, Tag Libraries and XML
* Designed the front-end for using JSP, AJAX, HTML Java Script, CSS and customized JSP Tag Libraries. Also did server-side logic development. Developed Action From and servlets.
* Involved in writing Multi-Threading Synchronization concepts in Java Programs.
* Updated CSS layout to reflect the new changes as per the addition of new components.
* Used Hibernate with JPA for attaining Object Relational Mapping.
* Implemented Spring Framework based Restful web services.
* With the concept of ReactJs Worked on usage metrics and end to end events tracing for analysis purpose.
* Used various bootstrap components like accordion, date picker, time picker, alert, buttons, modal and react-bootstrap components.
* Deployed web components, presentation components and business components in Web Logic Application Server.
* Developed web services SOAP, WSDL and web services clients using JAXB and XML, implemented SOA architecture.
* Played a key role in developing, testing, integrating, Launching, and enhancing the Forecaster.

**Environment**: MS-Excel, SQL, PL/SQL Business Objects, Oracle, MS Office Suite, Crystal reports, RUP, UML, CSS, Reactjs, SOAP, WSDL, JAXB XML, SOA, Bootstrap, Visual Basic.

**Education**:

* Master’s from university of Greenwich, London 2009