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| **Yugandhar M**  [**yugandhar**](mailto:svinitha0819@gmail.com)**m595@gmail.com**  **952-715-7157**  **Full Stack Java Developer** | ocjpjava_cert_prog_cmyk |
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| **Professional Summary:** | |

* Around **7+** years of progressive experience working on **Core Java**, **Java/J2EE.** Involved in various stages of **SDLC** (Software Development Life Cycle) implementing Waterfalland **Agile,** Iteration**, Scrum** methodologies.
* Development skills using multi-tier enterprise applications & Client/Server applications using Java/J2EE technologies (Collections, JDBC, Hibernate, JSP, JSTL, Servlets, Web Services using RESTful and SOAP).
* Experienced in highly transactional web-based applications, multithreaded services, OOPS concepts, application server configurations and Design patterns.
* Experience in **SpringMVC** (Model View Controller) architecture, using Spring 3.x & 4 Framework with **ORM** Hibernate 3.x, Maven and various Java/J2EE design patterns.
* Good experience in designing and developing **User Interface (UI)** applications and professional web applications using HTML5, XHTML XML, XSL, XSLT, jQuery, AJX, JavaScript and CSS3, AJAX, JSON, JSF, React JS, Node JS and Angular JS.
* Experience in Infrastructure Development and Operations involving AWS Cloud Platforms EC2, EBS, S3, VPC, RDS, SES, ELB, AWS Lambda, Route53, Auto-scaling, CodePipeline, CloudFront, CloudFormation, CloudWatch, ElastiCache, IAM, Redshift, and SNS.
* Using **AngularJS** employed Dependency Injection design pattern to compose the responsibilities through intrinsic interface and performed isolated unit tests.
* Experience in **Angular 2** for designing and developing components, forms and validations to validate user input in various web applications.
* Implemented Angular4 concepts like Interpolation, Input variables, Bootstrapping, Ng-For, Ng-If, Router Outlet, binding the click event, Component decorator, binding to the hidden property.
* Experienced in **ReactJS** and working with React flux architecture, Redux architecture using complex Object-Oriented concepts in improving the performance of the websites.
* Experience in developing responsive web applications using Bootstrap, Angular Flex Layout, Angular material and knowledge in using ES2015 and ES6 for reactive programming of JavaScript using Redux, NgRx for managing application and programming using Lambda, Streams in Java 8.
* Utilized **Java 8** features like Lambda expressions and Stream API for Bulk data operations on Collections which would increase the performance of the Application.
* Responsible for developing the UI pages using HTML5, CSS3, **ReactJS**, AJAX and JSON
* Experience in **Database** with MySQL, Oracle and PL/SQL with Joins, Stored Procedure, SQL Queries, Triggers and functions and developed various **REST API's** to support the functionality.
* Knowledge about integration platforms like Apache Tomcat and messaging platforms like ActiveMQ(AMQ).
* Experience in working with databases like the SQL for Oracle, Postgres, My SQL& NoSQL Database like MongoDB, Dynamo DB to manage extremely large data sets.
* Experience in creating real time data streaming solutions using **Apache Spark**/Spark Streaming, **Kafka**.
* Experience in developing web applications using SOAP based Web services - SOAP, WSDL, CXF, AXIS, and JAX-WS and Restful Web Services - JAX-RS, CXF, and JERSEY.
* Well versed with Cloud Automation using **Amazon Web Services (AWS)** Cloud formational templates. Managed the **AWS** instances using auto scaling and services like Elastic Compute Cloud (EC2), ELB, Virtual Private Cloud (VPC), Route53, Cloud Watch, Simple Storage Service (S3), Glacier, Auto Scaling, IAM, DynamoDB, AWS CLI, RDS, SNS, SWF, SES and EBS etc.
* Experience with Pivotal Cloud Foundry and OpenShift/Kubernetes architecture and design, troubleshooting issues with platform components (PCF), and developing deployment models and patterns for large scale developments/deployments on Cloud Foundry.
* Strong technical knowledge of WebSphere Application Server, JBoss Application server and Apache Tomcat, Implementation, Support, Workload Management and Performance Tuning.
* Wrote scheduled batch jobs on Linux environment for handling various huge databases update logics without manual interventions.
* Designed Frontend with in object oriented JavaScript Framework like **ReactJS**.
* Experience on CI (Continues Integrations) and CD (Continues Deployment) methodologies using Jenkins and configuring build tools like MAVEN, GRADLE and ANT for deployment and development.
* Good experience in unit testing, Integration testing and User Acceptance testing using **JUNIT**, **Selenium** and static analysis using J Test.
* Worked on web pages compliant with W3C, ADA & Section 508 Compliance Standards.
* Proficient in programming by using the **IDE’s** such as Visual Studio code, Eclipse, IntelliJ, STS, My Eclipse, WSAD and RAD.
* Expertise with IBM Web Sphere Application Server 6.x and **Apache Tomcat**.Extensively used build tools such as **NPM, Gulp and Webpack**.
* Integrate the web services using Apache Camel routing and Spring.
* Having good knowledge in NOSQL databases like Dynamo DB, Mongo DB, Cassandra. Setting up and administering DNS system in AWS cloud using **Route53**
* Have a good knowledge in creating load balancers, elastic beanstalk applications and to change DNS by using Route 53.
* Knowledge of **Auth0 concepts** for authentication and verifying authorization to application with JWT token using JavaScript libraries using 0Auth2.o principles.

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| **Technical Skills:** |

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| **Programming Languages** | Java 7, Java 8,UML, XML, SQL, Pl/SQL, JavaScript, Apple WebObjects |
| **Web Technologies** | Servlets, JSP, JDBC, JSTL, JMS, Hibernate, Spring Core, Spring MVC, HTML, CSS, DHTML, AJAX, JQUERY, Angular JS, Angular 2, Angular 4, React JS, Node JS, JMS, DAO. |
| **Frameworks** | MVC, J2EE (JSP, Servlets, JMS, JDBC, JNDI, JSF, EJB), CSS, Swing, Java Mail API, Structs, Hibernate, Spring, JAXB, Swagger, JAX-RS, JAX-P, REST, JSON, GWT, AJAX, SOA, Apache Camel. |
| **Web Services Technology** | XML, AWS, SOAP 4.0, SOA, RESTful, WSDL, JSON. |
| **AWS Services** | Beanstalk, RDS, CloudFront, RedShift |
| **Databases** | Oracle 11g/10g /9i, MySQL 5.5.27/5.6, PL/SQL, MongoDB. |
| **Application Servers** | Apache Tomcat 6x/7x, Web, SQL server, WAS. |
| **Software Methodologies** | Object Oriented Analysis & Design, UML, SDLC (Agile, Iterative), MS Visio, In-Flux Tool for BPE. |
| **Operating Systems** | Windows 2000/XP/7, Windows 8.1, Windows 10, Linux, UNIX. |
| **Cloud** | Amazon Web Services (AWS) |
| **Message Systems** | JMS, IBM MQ, JavaMailAPI |

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| **EDUCATION:** |

Master’s in Computer and Information Science

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| **PROFESSIONAL EXPERIENCE:** |

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| **Client: Delta Airlines, Atlanta, GA Feb 2017 – Till Date**  **Role: Full Stack Java Developer** |

**Responsibilities:**

* Followed AgileMethodology that includes attending daily standups, sprint planning, sprint reviews by involving in analysis, specification, design and implementation and testing of SDLC.
* We have followed Mean Stack Application by involving Microservices architecture to build front-end,back-end and database.
* Mean stack application basically provides Angular framework as front-end, node.js/express.js as a platform for back-end and mongo dB as database.
* Developed Single Page Applications(**UI**) using Angular-JS, React-JS, Node-JS and designed by using HTML, Bootstrap and CSS, jQuery, JavaScript.
* Developed various screens for the front end using **ReactJS** and used various predefined components from NPM (Node Package Manager) and Redux library
* Created **Angular 2** custom pipes to format the data before displaying it to the user.
* Validated forms using Angular 2 and regular expressions there by providing client-side validation and server validation.
* Moved from existing Angular 2 to Angular 4 components for more responsive and less dependency.
* Used Bootstrap library, JavaScript, HTML and CSS styling to quickly build project UI’s and used **Angular4** framework to associate HTML elements to models.
* Created services with **Angular 4** to make service available for Dependency Injection.
* Used **Angular 4** Reactive forms to implement complex **forms** and dynamic forms to perform the validations using form builder.
* Optimized the performance of application using Angular 4 **Lazy Loading** and ahead of time compilation.
* Developed single page applications using **Angular 4** by creating Typescript reusable components and services to consume REST API’s using component-based architecture.
* Involved in using new features with **Angular 4** like Ng-If with Else, Pipes, compare selector and Validators followed by the client requirements.
* Developed **XSLT** files for transforming the **XML** response from the web service into **HTML** as per the business requirements.
* Designed dynamic client-side **JavaScript** codes to build web forms and simulate process for web application, page navigation and form validation using various frameworks like **React JS.**
* Developed real time tracking of class schedules using Node JS.
* Built NodeJSnpm packages/libraries to support current and future Node Development.
* Created API using nodeJS for internal company use. Functionality such as publishing actions, authenticating, notifications, etc.
* Created, deployed and maintained Java applications on Apache web server using J2EE using tools such as Borland Builder, IBM Rational XDE Developer plus Java and Apple **WebObjects**
* Implemented modules into Node.js to integrate with designs and requirements.
* Worked on Webpack for build and webpack-dev-server a server.
* Developed **Microservices** to provide **RESTful** API utilizing Spring Boot with various data persistence frameworks.
* Designed and developed the business logic layer components in middle-tier of the application using **Spring Framework4.0** and **Spring Boot** in STS.
* Designed and implemented business logic with **Spring 4.0** framework to perform IOC to isolate business logic from data presentation, AOP, and integrated Spring MVC to define Controller, action mappings, services.
* Deployed **SpringBoot** based micro services Dockers container using Amazon EC2 container services and using AWS admin console.
* Developed **Micro services** using Spring Cloud, Spring BOOT, Spring Config Server, Netflix Eureka, Netflix Zulu (Edge Server), Netflix Ribbon.
* Developed RESTful **webservices** resources using Spring to serve the data in JSON format and used **Swagger** to create the REST API documentation for clients.
* Experience in core AWS services like S3, EC2, ELB, EBS, Route53, VPC, Auto scaling and deployment services like Elastic Beanstalk, Ops Works, Cloud Formation and security practices like IAM, Cloud Watch and Cloud trail.
* Involved in writing java API for Amazon Lambda to manage some of the AWS services.
* Managed Jenkins for CICD in a multiple VPC AWS environment for Java and Node JS.
* Designed and implemented the **MongoDB** schema and Wrote services to store and retrieve user data from the **MongoDB** for the application on devices
* Created collections and perform **CRUD** operations on **MongoDB** using **Mongoose** and used Mongo Repository and spring **Mongo template** for persistence.
* Developed JMS interface programs to push the new data from the One Point Application to other Corporate systems.
* Created a **WebObjects** application to allow corporate learning centers to add new special education classes
* Experience in handling messaging services using Apache Kafka by Configured **Kafka** to read and write messages from external programs to handle real time data.
* Used Continuous Integration(CI) and Continuous deployment(CD) for integrating and deploying purposes using Jenkins whereas Gradle tool are being used for building purposes of code.
* Track failure events by adding sufficient logs for monitoring in Splunk.
* Create desktop application with Angular 2/4 and Unit Test with Karma-Jasmine.
* Followed test driven design (**TDD**) technique and worked on Pair programming.
* Basic understanding in **UNIX**, Linux and Linux Shell Scripting and wrote many shell scripts in Unix to call routines.
* Modified existing Shell scripts in Linux to call daily sub routines.
* Developed the pages that are complaint to W3C and ADA section   508(c) standards.
* Performed Unit testing on ReactJS applications using tools like Karma, Jasmine and worked with Gulp tool for build automation
* Deployed applications on AWS by using Elastic Beanstalk
* Performed various Linux system admin tasks including hardware related problems.
* Used Log4j to implement logging facilities, track information and used Subversion (SVN) for version control.

**Environment:** Java, J2EE, spring, Python, JavaScript, HTML, Angular 2, Angular 4 CSS, ReactJS, jQuery,HTML5, Jenkins, LESS, Spring boot, Microservices, Apple WebObjects, RDS, Beanstalk, Route53, Nodejs, Web Services (SOAP, WSDL), REST services, XMPP, Linux/Unix, JUnit, XML, Maven.

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| **Client: United Airlines, Chicago, IL Mar 2015 – Jan 2017**  **Role: Full Stack Java Developer** |

**Responsibilities:**

* Participated in **Agile** and scrum meetings for requirement gatherings and product development.
* Designed the user interface screen and its functionality as per user requirements and developed **RESTful** Web services in Mule ESB based on **ServiceOrientedArchitecture(SOA**).
* Designed and deployed AWS Solutions using EC2, S3, EBS, Elastic Load balancer (ELB), auto scaling groups, Data pipeline, Security groups, Cloud Formation, IAM, and Route53
* Developed Web-application pages using HTML, CSS3, Bootstrap and AJAX.
* For client-side view rendering services, used **React JS** typically used various predefined **Redux**libraries.
* Configured **React-Redux** for state management and React-Router for programmatic navigation.
* Implemented Store-Redux for holding the whole state tree of application and Reducer-Reduxfor describing actions.
* Legacy Web Services Systems using **SOAP (AXIS-2)** is migrated and implemented using **REST** (Jersey extending the JAX-RS) with data representation in different formats such as XML and JSON.
* Developed lot of reusable components and utility classes in core Java, created multiple abstract classes and interfaces to abstract details from end user.
* Enhanced various WebObjects web applications running in production.
* Accessed Restful resources with HTTP protocol, the URL of the resource serve as the resource as the resource identifier and GET, PUT, DELETE, POST and HEAD are the standard operations.
* Created and consumed **RESTful** based Web services and used **SOAPUI** to test for send and receive XML data and worked with JMS Queues for sending messages in point to point mode communication.
* Worked extensively with ReactJS/Redux tech stack, implement React to build UI components, Redux for managing app state and interaction
* Developed REST Web services using JAX-RS and Jersey to perform transactions from front end to our backend applications, response is sent in JSON or XML formats based on the use cases.
* Developed API's using Apache Camel Rest to interact with other applications and Jersey to perform transactions from front end to our backend applications, response is sent in JSON format based on the use cases.
* Implemented **WADL** configuration and **API** documentation for the understanding of Rest based web services.
* Experience in using the Docker container system with the Kubernetes integration.
* Used **ReactJS** to build the UI components, developed filters to display different dimension of data and font size modifiers
* Using Jenkins for building the code and deployment onto Kubernetes.
* Developed necessary parsing and XML construction logic using **XML parser APIs JAX-B.**
* Wrote python scripts to parse XML documents and load the data in database.
* Experience in Data migration from DB2 to Apache **Cassandra DB** and involved in major and minor up gradation of Couch base and **Cassandra** cluster**.**
* Utilized Cassandra, NOSQL database management system for keeping user generated data and to store poisoned messages.
* Created application for data modelling to allow various DB2 to Cassandra table migration use cases and used   Cassandra   CQL with Java API's to retrieve data from   Cassandra   tables.
* Developed **Apache Camel** middleware routes, **JMS** endpoints, Spring service endpoints and used **Camel**free marker to customize **REST** responses.
* Used Java Message Service **JMS API**for reliable and asynchronous exchange of important information.
* Message broker services are achieved in the application using **Active MQ** with **JMS** framework.
* Used **Maven** build tool to deploy the application on web servers i.e. **JBoss**.
* Managed integration of **Splunk** for logging REST API transactions.
* Expertise in stash bit bucket and version control tools
* Performed center load testing and compression testing on bamboo.
* Developed automation scripting in core to deploy and manage Java applications across Linux servers.
* Used Jenkins CI/CD tool to make the build passes before deploying the code to other environments
* Focused on Test Driven Development (TDD) thereby creating detailed JUnit tests for every single piece of functionality before writing the functionality.
* Monitored the error logs using Log4J and fixed the problems.

**Environment:** Core Java, J2EE, JMS, SOA, WebObjects, Apache Tomcat, Eclipse, UML, HTML, Python, Cassandra db, AWS, Node.js, Java Script, jQuery, XML, Log4j, Oracle, JNDI, JUNIT, Maven, log4j, Linux/Unix, SVN and Mockito.

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| **Client: Hyatt , Chicago, IL Aug 2013 – Feb 2015**  **Role: Java Developer** |

**Responsibilities:**

* Implemented monolithic application by involving in Software Development Life Cycle (**SDLC**) using **OOAD, UML** design patterns.
* Created user-friendly **GUI** dynamic interface and Web pages using **HTML, CSS, JavaScript, jQuery** like designing logos and templates for client-side validation.
* Implemented server-side components primarily using Core Java, Multithreading, Spring, SpringJDBC and Web Services.
* Well versed with **core Java** concepts like collections, multithreading, serialization, Java beans.
* Used **AngularJS** as framework to create single Page Applications which can bind data to specific views and synchronize data with server.
* Created custom directives and filters using **AngularJS** built-in $http service from controller through dependency injection.
* Used client-side form validation of **AngularJS** framework to monitor the states of the form and input fields and notify the user about the current state.
* Extensive experience working in Spring Framework Spring MVC, Spring AOP, Spring DAO, Spring ORM, Spring Security and O/R mapping Hibernate framework and by implementing Java EE components using Spring MVC, Spring IOC, Spring transactions and security modules.
* Implemented service layer using Spring IOC and annotations and Controllers using Spring MVC.
* Involved in the upgrade process of Spring 2.0 to Spring 3.0 and Hibernate 2.x to Hibernate 3.0 to take advantage of new Spring and Hibernate features.
* Extensively used **Spring** **IOC** configured Application Contextfiles and performed database object mapping using Hibernate annotations.
* Developing application using **Spring MVC**, **Dependency Injection** to improve usability and flexibility.
* Used Spring API's for wiring components using dependency injection.
* Used **Spring** **JDBC** Template and implemented **DAO design Pattern** to connect and retrieving data.
* Developed Entity Beans as Bean Managed Persistence Entity Beans and used JDBC to connect to backend database.
* Used JPA and Hibernatewith entity beans for interacting persistence layer for **CRUD**operations.
* Used Hibernate Persistence strategy for mapping business objects to the Oracle database.
* Development and support of **Restful Web services** that support JSON using Spring Web services JAX-RS JSON Spring MVC Module.
* Implemented the **Hibernate** framework **ORM** to interact using XML files with the **MySQL** Server.
* Configured Hibernate, Spring and MyFaces JSF to map the business objects to Database using XML configuration file.
* Created and maintained mapping files and transaction control in Hibernate.
* Used **Hibernate** **ORM** framework as persistence engine, configured O/R mapping and wrote hibernate queries.
* Used Hibernate Criteria API to apply filtration rules and logical conditions on persistence objects.
* Implemented **PL**/**SQL** queries and used **Oracle** stored procedures, and built-in functions to retrieve and update data from the databases.
* Used **pl/sql** collections, Bulking techniques, Table Partitioning to increase database performance.
* Wrote Operations and corresponding handlers to communicate with Oracle database sitting on Linux/Unix server.
* Worked on **LINUX** commands to manage and setup the environments for running the applications.
* Worked on **Swagger API** and auto-generated documentation for all REST calls.
* Created/updated the swagger files to configure the definition objects or parameters of service end points.
* Deployment to Tomcat server and looking into the Splunk logs for hidden application errors.
* Used Jenkins to Continuous Integration Build Docker images and deploy on OpenShift.
* Implemented **IBM MQ** API to put get the messages from Message Queue.
* Managed local deployments in Kubernetes, creating local cluster and deploying application containers.
* Implement Continuous Integration and Continuous Delivery (CI & CD) Process stack using GITHUB/GIT, Jenkins, Artifactory, Chef and Puppet.
* Handled all aspects of the web application including maintaining, testing, debugging and deploying.

**Environment:** HTML5, CSS3,JavaScript, JSP, XML, Bootstrap.js, Angular.js, D3.js, DHTML, jQuery, Ajax, DOM, JSON, Spring,Hibernate, Adobe Flash, SOAP, Unix, Web Services, Eclipse.

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| **Client: Infosys, Bangalore, India Jun 2011 – July 2013**  **Role:Java Developer** |

**Responsibilities:**

* Involved in requirements gathering and designing low and high-level requirements documents for monolithic application.
* Involved in analysis, design and development of project and implemented OOPS concepts.
* Involved in the extensive usage of **HTML**, **CSS**, **JQuery**, **JavaScript,** and **Ajax** for client-side development and validations.
* Well experienced in Core Java like asynchronous programming, multithreading, Garbage collector, collections and a few design patterns.
* Well versed in using Struct web container framework for developing applications using **JSP, Servlets, JSTL** and **Java Beans**, Struct Tag libraries.
* Used **Struts Validation**framework in the presentation layer.
* Developed server-side using **JSP, Servlets** for better user database interaction and easy reporting of the data driven applications.
* Implemented several Custom Tags for JSP pages and were used for displaying account information, applications, fulfillments.
* Implemented several agents as **Servlets**that run regularly to load the data into DB2 database from external systems.
* **Servlets** are used as controller to delegate requests to various JSPs.
* Deployed flow of Execution in the Servlet Environment using STRUTS and defined Navigation Rules.
* Developed Struts framework Action Servlets classes for Controller and developed Form Beans for transferring data between Action class and the View Layer.
* Servlet technology was used on the middle tier to respond to serialized object requests. The servlet had extensive security and server-side session storage to streamline communication with the client tier.
* Database schema design development and coding of **DDL** and **DML** statements, functions. Extensive Knowledge of database like **Oracle,** designing the database and coding of **SQL, PL/SQL, Triggers, and Views**.
* Various PL/SQL triggers were written to handle the automatic order issuing
* Involved and used in log4jAPI for logging application flow and debugging.
* Webservices communication used soap.
* Used Soap UI for load testing the Web services and involved in creation of various Data Access Objects.
* Used CVS for version control across common source code used by developers and Developed J-Unit test cases for all the developed modules.
* Responsible for application setup and configuration in the development, QA and Production environment and preparation of the timely builds using ANT, releases, and deployment on Tomcat Server for web applications and web portals respectively.
* Involved in unit testing.
* Used Firebug for application webpage troubleshooting and Eclipse debugger for the bug fixes.
* Responsible for Code review and comments for other team members.

**Environment:** JDK 1.5, Core Java, Advanced Java, Struts, JSP, Servlets, JMS, XML, SOAP, WSDL, JavaScript, UML, HTML, JNDI, CVS, log4j, Web sphere Application server, Oracle 10g, Eclipse.