**UDDEEPA DOPPALAPUDI**

**Sr. Full Stack Java Developer**

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 **PROFESSIONAL SUMMARY:**

* Around **10+ years of professional experience as a Full Stack Java Developer** with strong knowledge in design, development, and deployment of software web applications using **Core Java, Java/J2EE, Object Oriented Programming in various sectors/domains such as Health/Insurance/E-Commerce and Finance.**
* Experience in Analysis, Design, Development, Maintenance, and Implementation of multi-tier distributed Enterprise applications using **object-oriented programming** concepts of **Java**, and **J2EE** Technologies.
* **Implemented** presentation layer using **AngularJS**, **ReactJS**, **Typescript, NodeJS**, **Express.js, Next.js, JSON, jQuery, JSP, JSTL, JSF, Vue.js, Ajax, HTML5**, **CSS3, and Bootstrap.**
* Enhanced the applications with new add-on features, using **ReactJS**, **Angular** frameworks on front-end and **Node JS**, **Express JS** on back-end with **ECMAScript 6(ES6)** features.
* Decent experience in using **Core Java & Advance Java** SE 8 concepts like **Streams API**, **Time API**, **Functional Interfaces**, **Transaction Management**, **Exception Handling**, and **Lambda functions**, **Generics** and **Collection API**.
* Proficient in working with web application's **UI testing frameworks** such as **Karma**, **Jasmine**, and **Protractor** for **Angular JS**.
* Proficient in implementation of Spring frameworks like **Spring MVC**, **Spring IOC**, **Spring REST**, **Spring AOP**, **Spring transaction Management**, **Spring Data**, **Spring DAO**, **Spring Batch**, **Spring Security** and **Spring Boot**.
* Hands on experience with **Microservices** to communicate through HTTP protocol for implementing **SOA (Service-Oriented Architecture**)approach.
* Worked on microservices based architecture using Spring Boot interacting through **REST API** for making application smaller and independent.
* Worked on projects implementing **RESTful Services** (**JAX-RS**, Spring Boot), **SOAP** (**JAX-WS**, **Apache CXF**, **WSDL**, and Apache Axis2) and configured using **Swagger** and **WADL**.
* Authenticated Users accessing RESTful services using **OAuth 2.0**, **OID**, **OIDC** and **JWT** and configured applications on servers like **Apache Tomcat**, **JBOSS**, **IBM WebSphere**, **WebLogic**.
* Extensively worked on **Jenkins** for **continuous integration** and **continuous deployment** and for **End-to- End automation** for all build and deployments.
* Used **Java Messaging Services**, **Spring Rabbit MQ** and **Apache Kafka** for reliable and asynchronous exchange of important information.
* Have extensive knowledge in **persistence framework** like **Hibernate** for mapping Java classes with database and using **Hibernate Query Language** (**HQL**).
* Worked with Relational database ORM frameworks like **PostgreSQL**, **MySQL**, **Oracle**, and **NoSQL** DB's like **MongoDB**, **Cassandra**, **Redis**.
* Developed **RESTful API**s in Java to interact with **Snowflake databases**, enabling seamless communication between the frontend and backend components of Full Stack applications.
* Managed and optimized **Snowflake databases** to support high-performance data operations in Java applications.
* Tested REST API services using Soap UI, JMeter, Postman and Swagger tools and experienced in build tools like **Maven**, **Ant**, **Gradle** and **Junit**, **Mockito**, **Power Mock** for testing and mocking.
* Worked with **Log4J** and **SL4J** for **logging** system activities to log both the user interface and domain level messages.
* Experienced in using **code repository tools** such as **GITHUB**, **GitLab**, **Bitbucket**, **SVN**, and **CVS**.
* Experience with **Cloud Computing** Service environment like **Amazon Web Services** (**AWS**) based on compute, data, or security requirements.
* Proficient in **Hadoop Distributed File System** (**HDFS**) for storing and processing large volumes of data across multiple nodes.
* Experience in Server infrastructure development on **AWS Cloud**, extensive usage of **Virtual** **Private Cloud (VPC)**, **Cloud Formation**, **Cloud Front**, **CloudWatch**, **Load Balancers** and **EC2**.
* Graphed higher on strong **communication**, **problem-solving**, and **planning skills**, with the ability to work independently and team environment.
* Worked on **TDD** (**Test Driven Development**) and **BDD** (**Behavioral Driven Development**) environments.
* Successfully implemented **BDD** methodologies, such as Cucumber, in various projects to ensure alignment between business requirements and development outcomes.
* Good exposure with application servers and web servers like **Apache Tomcat, and WebSphere**.
* Experienced in identifying **root causes, troubleshooting, and fixing the issues**, conducting **investigations**, and providing **Root Cause Analysis (RCA).**

**TECHNICAL SKILLS:**

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| **Programming Languages** | Core Java, Advanced Java, JavaScript ES6. |
| **Java/J2EE Technologies** | J2EE, JDBC, Servlets, JSP, EJB, Core Java SE 8, Streams API, Time API, Functional Interfaces, Transaction Management, Exception Handling, Lambda functions, Generics, Collection API. |
| **Frameworks** | Struts 1.x/2.x, Spring, Spring MVC, Spring IOC, Spring REST, Spring AOP, Spring Transaction Management, Spring Data, Spring DAO, Spring Batch, Spring Security, Spring Boot, Hibernate (JPA, XML) |
| **Web Technologies** | HTML5, CSS3, JavaScript, jQuery, AJAX, JSON, Bootstrap, ReactJS, Angular, Node JS, Vue.js, Express JS |
| **Database** | PostgreSQL, SQL Server, MySQL, Oracle 11g/10g/9i/8i, MongoDB, Snowflake,Cassandra, Redis. |
| **JavaScript Frameworks** | ReactJS, Angular, Node JS, Express JS |
| **Web Services** | RESTful Services (JAX-RS, Spring Boot), SOAP (JAX-WS, Apache CXF, WSDL, Apache Axis2), Swagger, WADL, OAuth 2.0, OID, OIDC, JWT |
| **Messaging** | Java Messaging Services, Spring Rabbit MQ, Apache Kafka |
| **Web Application Servers** | Apache Tomcat 8.0/7.0/6.0, JBOSS, IBM WebSphere 8.0/6.0, WebLogic 10.0/9.0 |
| **Design Methodologies** | J2EE Design Patterns (MVC, MVP, MVVM, Singleton). |
| **Testing Tools** | Karma, Jasmine, Protractor, Soap UI, JUnit, JMeter, Postman, Swagger |
| **Version Control** | GIT, GitHub, GitLab, SVN, CVS. |
| **Build Tools** | Maven, Ant, Gradle. |
| **IDEs & Editors** | Eclipse IDE, NetBeans 8.0, IntelliJ IDEA, Spring Tool Suite (STS), RAD Notepad++, Visual Studio. |
| **Software Development Methodologies** | Behavioural Driven Development (BDD), Test Driven Development (TDD), Agile Scrum |
| **Operating Systems** | Windows 7/XP, 8, 10 & 11 and Linux. |

**EDUCATION:**

* Bachelor of Technology in Computer Science in Saveetha University.

**PROFESSIONAL EXPERIENCE:**

## **Client: Sentara, USA. Nov 2022 – Present**

## **Role:** Sr.Full Stack Java Developer.

## **Responsibilities:**

* Engaged in analysis, specification, design, implementation, and testing phases of the **Software Development Life Cycle (SDLC)**, employing agile methodology (**SCRUM)** for application development.
* Responsible for developing interactive UI screens using **HTML4**, **CSS3**, **JavaScript**, **jQuery**, **JSP**, **JSTL**, **Servlets**, **Struts** **Tiles**, and **Struts Tag** **library**.
* Experience in working with CSS Background, CSS Layouts, CSS Positioning, CSS Border, CSS Margin, CSS Text, CSS Padding, and other behaviors in CSS.
* Designed and Implemented **MVC** architecture using **Struts framework** with each layer separated to reduce development complexity and extensively used JSP in the View of MVC architecture.
* Utilized Servlets to handle various requests from the client browser and send responses.
* `Developed Action Classes and Handlers for routing the requests to JSP and involved in writing JavaScript/jQuery **AJAX** calls to retrieve the data from the back end.
* Involved in designing, developing, and configuring **JavaBeans**, **Servlets**, JNDI, and XML using **Eclipse-IDE**.
* Implemented **Core Java & Advance Java** concepts such as **Multithreading**, **File Handling I/O**, **Exception Handling**, **Collection APIs** to add various features and enhancements.
* Strong knowledge of implementation of data persistency using **Spring** and **Hibernate Frameworks**.
* Worked on **Web Services** using standard Web protocols such as **XML**, **SOAP**, and **HTTP** and used **HTTP Client module** to send HTTP requests (GET, PUT, POST, and DELETE) to the backend.
* Created **MySQL** **database tables** to normalize the existing tables and wrote **SQL queries**, and **store procedures** and used **GIT** for **code versioning** and **log4j** **framework** has been used for debugging, information, and error messages.
* Used **Ant** to compile java classes and package into jar archive and deployed it in **IBM WebSphere server**.
* Performed unit testing using the JUnit framework and used Struts test cases for testing Action Classes.
* Used Microservice architecture with Spring Boot based services interacting through a combination of **REST** and **Apache Kafka** message brokers.
* Followed **SOA (Service oriented Architecture)** to develop REST services using Spring Boot and involved in creating **REST Controllers**, **Controller Advice**, etc.
* Developed Spring REST web services to serve multiple applications across the organization where the data is provided in Json and used **Jackson** **library** to consume REST web services.
* Implemented a **RESTful API** with **Nodejs**, Express to fetch client and accountant relationship from **Mongo DB**.
* Implemented Java EE components using **Spring MVC**, **Spring IOC**, **Spring transactions**, **Spring security** and used **Spring Batch** in programmatic transaction management.
* Implemented the authentication and authorization of the application using Spring Security and **OAuth2**.
* Implemented **Apache Kafka cluster** as messaging system between the APIs and Microservices and deployed end to end driven microservice architecture with **Kafka** **Elasticsearch** and worked with the **NoSQL Database** like **MongoDB** to manage extremely large data sets.
* Developed **Apache Maven** Project management tool to automate the build process for the entire application such as manage project libraries, compiling, preparing war file, and deploying.
* Configured and created application log files using **Log4J**, **SLF4J** to trace required application messages.
* Worked on installing, configuring, deploying, and maintaining application on **Apache Tomcat Server**.
* Build servers using **AWS** which includes importing necessary volumes, launching the **EC2** instance, creating **security groups**, **s3,** **auto-scaling**, **load balancers**, **Route 53** and **SNS** as per the architecture.
* Integrated **Open stack API** with Amazon EC2 cloud-based architecture in AWS and used AJAX frameworks like jQuery, JSON to develop rich GUIs and involved in performance tuning the website.
* Implemented **Service Oriented Architecture** (**SOA**) based **RESTful Web services** and made **REST API** **calls** from Angular 7/6 and parsed the data to the client.
* Used **AWS EC2** by creating **snapshots**, **volumes**, and **security groups** for public and private instances and involved in creating **JUnit**, **Mockito** based unit test cases.

**Environment:** Java, Agile, Oracle 11g Angular,J2EE, Spring, Hibernate, SOAP/Rest, jQuery, XML, SQL, IBM Web sphere Application SOAP, React JS, Node JS, Couch base, Linux, WSDL, JavaScript, Hudson, Gradle, Maven, AJAX, JUnit, JMeter, Log4j, Splunk, Web Services , Microservices, Mongo DB,HTML5,JSP,CSS3,Maven and SVN, AWS, Kafka, Python, Spark ,Golang, Mockito.

## **Client: Vanguard, North Carolina Jan 2021 to Oct 2022**

## **Role:** Sr.Full Stack Java Developer.

## **Responsibilities:**

* Involved in **SDLC** Requirements gathering, Analysis, Design, and Development, testing production of application using **Agile** model and involved in design discussions and understanding of business requirements and identify relevant functional and technical requirements.
* Responsible for developing UI pages using **Angular 11, HTML5, CSS3, JavaScript, XML, jQuery, AJAX, and JSON.**
* Utilized **Angular 11.0** as framework and developed single-page application that can bind data to specific views and synchronize data with server and additionally, integrated **Angular packages** with **Node JS** and **NPM** to perform validations and permissions-related tasks.
* Utilized **Angular 13.0** introduces enhanced capabilities for dynamically creating and managing components at runtime using the Component Factory Resolver and View Container Ref APIs.
* Utilized **Bootstrap** and **Express JS** functionalities to update and maintain existing applications that were built using **MVC** pattern.
* Developed **Java** apps that seamlessly integrate **Python** functionality with Java programs by utilizing **Python** libraries and modules with **Python.**
* Utilized **Java 11** features, including String Methods, New File Methods, HTTP Client, and developed Web API using **NodeJS** and hosted on multiple load balanced **API** instances.
* Developed real time tracking of class schedules using **Node JS** and Added dynamic functionality to application by implementing **jQuery**, **Node JS**.
* Developed crucial process like: CPD, Streamers and Snaps for data extraction and streaming where in used **Collections**, **Multithreading** I/O great deal.
* Successfully integrated **Leaflet** maps into Java-based web applications for interactive and dynamic geospatial visualization.
* Utilized **Spring Boot** which is radically faster in building cloud Micro-Services and developed **Spring** based application with very less configuration.
* Handled response data from **RESTFUL** web services using **XML, SOAP, and JSON** to update UI and used **SOAP** UI tool to test **SOA** based architecture application to test SOAP services & **REST API.**
* Created application using **Spring Boot** **Microservices** as API gateway for request routing and filtering across all microservices.
* I have been involved in updating and patching **PostgreSQL** databases to ensure that they are up to date and functioning efficiently.
* Coded **PL-SQL** packages and procedures to perform data loading, error handling and logging and Database design, analyze and implement application architecture to suit the development of software using Java/J2EE and worked extensively on **Snowflake** for the applet recursions.
* Integrated **Snowflake** with Java applications to enable seamless data processing and analytics.
* Implemented internal ALGO Engine with **ION** Auto hedger gateway for GILTS and EUGV and Integrated **AWS ECR** for **Docker** Image storage makes deployments to **AWS ECS** clusterssimple.
* Created flexible client library that can take messages from various **RabbitMQ** brokers and process them.
* Utilized **AWS Elastic Container Registry (ECR**) to securely store **Docker** Images and facilitate seamless deployment to production environments.
* Developed **CI/CD pipelines** with DevOps engineers using **AWS Code Build** and **Code Pipeline** to automate creation, testing, and deployment of Dockerized applications.
* Utilized **Amazon Elastic Kubernetes Service (EKS)** to orchestrate containerized applications, ensuring automatic scalability and optimal resource utilization in production environments.
* Configured and Managed **EC2**, Elastic Beanstalk, **RDS**, S3 Buckets, **VPC**, Security Groups and leveraged **Git** to manage and control source code versions and effectively interacted with **GitHub** repositories and worked on **JIRA** to track issues and bugs as well as keep track of how work is divided up within system.

**Environment:** Agile, HTML5, CSS3, JavaScript, jQuery, JSON Java 11, Spring Boot, Spring Security, SOA, Hibernate, Leaflet, PostgreSQL, Oracle, RabbitMQ, Oracle, PL/SQL, Kubernetes, Docker Images, Splunk, SLF4J, AWS ECR, AWS ECS, Amazon Elastic Kubernetes Service (EKS), VPC, AWS CloudWatch, JUnit, GitHub, Git, JIRA.

## **Client: Next Gear Capital, Caramel, Indiana Oct 2018 to Dec 2020**

## **Role:** Java Developer.

## **Responsibilities:**

* Implemented Agile methodology with a focus on Test-Driven Development (TDD) to build applications.
* Used **React Forms, Events, Keys, Router, Flux, Animations, Navigation,** and **Redux concepts** for the development of **SPA (Single-page application).**
* Created **Custom Reusable React Components Library** for clients and experienced in working with **Redux architecture** using **complex Object-Oriented concepts** in improving the performance of the websites by displaying data using **React WIF, Redux, and ES6.**
* Used **React Router** for routing the redux app to connect redux and react to support routes and worked on **state, specs, props, and events** to create interactive **React JS** components.
* Implemented various front-end components using **React** and **react native** and successfully developed various features.
* Improved the efficiency of the application by utilizing **Java 1.8 features** like **Lambda expressions** and **Stream API** to perform bulk operations on **Collections** in a **Sequential** and **Parallel** manner.
* Proficient in designing and maintaining **Graph QL** schemas, defining data types, queries, mutations, and relationships between data entities.
* Integrated **Graph QL** with third-party services and APIs, expanding the functionality and data sources available to applications.
* Developed multiple enterprise applications using the **Hibernate framework, Spring Boot, Spring JDBC, Spring Annotations, Spring Integration,** and **RESTful web services**.
* Implemented **Spring IoC** for **Dependency Injection** and made the code loosely coupled and **Spring AOP** for logging purposes.
* Implemented **Microservices** into existing system architecture. Developed **Microservices business components** and **RESTful** service endpoints using Spring Boot.
* Familiarity with **RabbitMQ's** monitoring and management tools, such as **RabbitMQ Management Plugin, RabbitMQ CLI,** and **Prometheus,** to ensure effective system monitoring and optimization.
* Analyse business requirements and develop various business delegates to integrate with middleware services like **JAX-WS,** and **JAX-RS** using **SOAP** and **REST.**
* Created scripts for data modelling and data import and export. Work involves deploying, managing, and developing **NoSQL** **database** like **MongoDB clusters.** Experience in creating JavaScript for using **DML operation** with **MongoDB**.
* Utilized MongoDB features, indexing strategies, and schema design principles to optimize performance.
* Expertise in using **MongoDB** to support the storage of **JSON** objects and provide storage for sensitive information.
* Improved the performance of the application using the **Redis Cache Service and** Worked on developing Restful endpoints to Cache application-specific data in in-memory data clusters like **Redis**.
* Used **Jenkins** for **Continuous Integration/Continuous Delivery process (CI/CD)** and **Maven** as a build tool.
* Implemented **Azure SQL Database** to manage and store the application data, ensuring reliable and secure data storage and management.

**Environment**: HTML5, CSS3, JavaScript, jQuery, Bootstrap, react 17, Node JS, XML, JSON, Graph QL, Hibernate, Spring Boot, Spring JDBC, Spring Annotations, Docker Container, Kubernetes, Maven, Redis, RESTful Web Services, RabbitMQ, Mockito, Jenkins, MongoDB, Git, GitHub, Splunk, Postman, JUnit, Karma, JMeter, Splunk, Git, SOAP.

## **Client: Tapestry, New York Apr 2018 to Sep 2018**

## **Role:** Java Developer.

## **Responsibilities:**

* Involved in all phases of SDLC such as requirements **gathering, design, development, and deployment of applications.**
* Developed an **Angular 2/4** workflow manager leveraging Angular-UI's state router for flexible configuration and management of multi-step user input flows.
* Developed the User Interface Screens for presentation using **Angular-JS, Ajax, Bootstrap, JavaScript, and HTML**.
* Defined new validations through AngularJS for the form field validation implemented through HTML.
* Developed using new features of **Java 1.6 Annotations, Generics, enhanced for loop, and Enums.**
* Involved in using **JPA (Java Persistence API)** frameworks and APIs such as **JDO (Java Data Objects)** and **hibernate**.
* Developed web components using MVC pattern under **Spring framework** and Developed **REST APIs** using **Spring MVC** and used **Spring Inheritance** to develop beans from developed parent beans.
* Used Spring **AOP for logging, auditing, and transaction management** to distinguish business logic from cross-cutting concerns.
* Interfaced with the **MySQL back-end database** by integrating **Spring** with **Hibernate**.
* Extensively used hibernate named queries**, criteria queries,** **Hibernate Query Language,** and **Optimistic Locking** and **Caching** to process the data from the database.
* Developed **Unit** and **Integration** test cases using **Junit** and Used **Gradle** tool for building and deploying the Web applications in **Apache Tomcat Server.**

**Environment**: Java 8, Maven, Angular JS, IBM Web sphere Application SOAP, React JS, Node JS, Couch base, Linux, WSDL, JavaScript, Hudson, Gradle, Maven, AJAX, JUnit, JMeter, Log4j, Splunk, JAXB, ECMA script6, Kafka, Rabbit MQ, Apache, Json, Java Script, Spring, Cassandra, Oracle, JUnit, GitHub, Jenkins.

## **Client: Vodafone, India. Apr 2015 to Sep 2017**

## **Role:** Java Developer.

## **Responsibilities:**

* Participated in all **Agile** **scrum** ceremonies, project planning, design discussions and release planning activities.
* Proficient in using **servlets**. Applied **MVC** implementation to the web application.
* Used Design patterns such as **DAO, Singleton**, Session façade which helps in distribution of roles and responsibilities across various layers of processing.
* Developed the application using **Eclipse IDE** and used **JBoss** for deployment of application.
* Developed **UI** interface using **HTML, CSS, jQuery and Angular, AJAX**, Restful **API** libraries and **Bootstrap**.
* Experienced in working with multi-**threading** using POSIX **Threads and** designed and developed **REST** based microservices using **Spring Boot**.
* Experienced in crafting and tailoring Spring Data **JPA** repository interfaces to efficiently handle standard CRUD (Create, Read, Update, Delete) operations within Spring applications.
* Strong understanding of **spring** modules like **Spring Core, Spring MVC, Spring JDBC, Spring Boot.**
* Extensively used **spring** framework **Dependency Injection** (DI) for object’s dependency resolution, **Inversion of Control (IOC)** using XML configurations, Java Annotations and Java Source code and integrated **Spring** and **Hibernate** frameworks for ORM functionality.
* Utilized DAO Pattern to fetch data from the database using **Hibernate** to carry out various database.
* Deployed the application using **Apache Tomcat Server** and wrote **JUnit** test cases for unit testing. Used **maven** to build applications and created multi module **maven** project and used **Jenkins** for continuous integration.

**Environment**: Agile, Scrum, servlets, MVC, DAO, Singleton, JBoss, HTML, CSS, jQuery and Angular, AJAX, API, Bootstrap, Spring Boot, Spring Core, Spring MVC, Spring JDBC, Hibernate, PL/SQL, Oracle, Apache Tomcat Server, JUnit, maven, Jenkins, Log4J

## **Client: Intel, Hyderabad, India. Jun 2013 to Jul 2015**

## **Role:** Java Developer.

## **Responsibilities:**

* Collaborated on gathering user requirements and created key documentation such as System and Functional Requirement Documents.
* Adopted **Agile** and **Scrum** methodologies in the software development process.
* Utilized **Java/J2EE** design patterns and frameworks like **Struts** and **JSF** while employing **Core** and **Advanced Java** concepts to develop backend features.
* Created the frontend of the web application using **HTML** and **CSS** and added client-side validation with **JavaScript** and **jQuery**.
* Implemented a **SOAP**-based web service toolkit and worked with a subset of **XML schema** for web service integration.
* Customized and developed **Java Server Pages (JSP)** for the user interface.
* Applied **MVC principles** to integrate **AngularJS** and build a client-side application.
* Set up continuous delivery pipelines with **Jenkins CI server** for deploying microservices and lambda functions.
* Coded and tested Java Beans to fetch trading data and subscriber details from a **MySQL** database.
* Integrated **Maven** with **Bash** shell scripts to automate Java application deployments.
* Managed **GitHub** code pushes for releasing software to production and client servers.
* Created and executed unit tests using the **J Unit testing framework**.

**Environment**: Java, J2EE, HTML, CSS, Java Script, jQuery, XML, SOAP, JSP, Spring MVC, AngularJS, Microservices, Jenkins, Java Beans, MySQL, Maven, GitHub, Junit.