

Sumanth Manjulapuram

Sumanthr328@gmail.com

+1 512-630-2865

[LinkedIn](#)

Professional Summary:

- As a **Software developer** with over **7+** years of experience in Design, Development, and Architecting activities including Analysis, Implementation, Packaging, and Deployment and specializing in environment building n-tier applications.
- Designed and developed products for internal, and commercial products and excellent experience in gathering requirements, determining business logic, and comprehensive complete system design. Deep compliance with **Waterfall, Spiral, V-Model**, and **Agile** methodologies like Test Driven Development (**TDD**), **Scrum**, and **Pair Programming**.
- Hands-on experience in Server-side scripting languages and Client-side scripting languages like **HTML5, CSS3, Ajax, jQuery, JSON, Bootstrap, AngularJS, ReactJS, VueJS, Java, PHP, Python, Node.js, Ruby, Perl**.
- Expertise in developing Single-Page Applications (**SPAs**) using **React.js** and Model View Controller (**MVC**) frameworks such as **Angular.js** and expertise in creating custom React component libraries.
- Hands-on Experience with **Angular JS** for rebasing the UI of the application using the techniques in **Angular JS** and proficient in creating Angular factories for using angular services to make **RESTful API** calls to the Java-based backend.
- A vast understanding and intense experience in **JavaScript** programming and **JavaScript MVC** frameworks and a strong understanding of **JavaScript**, Closures, Promises, Inheritance, AJAX, and expertise in both Object-Oriented Programming and Functional Reactive Programming, including **JavaScript** Test-Driven Development (**TDD**).
- Perpetual and intense understanding of **OOP** (object-oriented programming) core concepts (**Inheritance, Polymorphism, Abstraction, Encapsulation**) Design Patterns, and experience in applying them in designing and developing **SOA** (Software - Oriented Application) base applications.
- Highly proficient in using frameworks like Spring Struts, **JSF, Hibernate**, and Design Patterns such as **MVC, Session Façade, Front Controller, Data Access Object (DAO), Value Object, Singleton, factory**, abstract factory, Service Locator for executing multi-tier, highly scalable, component-based, services driven Enterprise Java applications.
- Experience in working with various testing frameworks for user interfaces like **Karma, Jasmine, Jest, Mocha, Chai**, etc.
- Utilized **Java8** features like Lambda expressions, Parallel operations on collections, multithreading, and **Stream API** for Bulk data operations on Collections which would increase the performance of the Application.
- Developed code that makes use of **Java 11** capabilities such as **Lambda Parameters, Streams, Java Time API, Optional, Nested Based Access Control**, and Reading and Writing Strings to and from the files.
- Implemented the REST APIs and data transformers using the **JAVA** connector involving the **JAVA 8** features Lambda, Streams and, employed functional Interfaces and **JAVA 8** method References feature to refer to methods by their names.
- Extensively worked on **Microservices** using Spring Boot, Spring Data, Spring Cloud, and Kubernetes along with hands-on experience on Docker and container technologies for building Micro service-based applications.
- Experience in developing a full-fledged **REST API** server with an open-source **NoSQL** database that uses a document-oriented data model **MongoDB** and Mongoose connector, additionally worked on **RESTful** web services using Spring boot, **Spring RESTful** template, JPA, and Cloud Foundry.
- Implemented **RESTful** web services using spring boot, Spring RESTFUL template, JPA, and Cloud Foundry and worked with **REST APIs** to get JSON data and display using JavaScript Objects and **Rest API** in Node JS using express service.
- Strong working expertise with **SOAP UI** for Web Services Testing and involvement in **SOAP** and Restful web services utilizing **SOAP UI** and good knowledge in designing, developing, and integrating them with existing systems.
- Good experience in various modules of Spring framework like **Spring IOC, Spring MVC, Spring Batch, Spring Framework, Spring ORM, Transaction Management, Spring Security and Spring Boot, and Spring Data**.
- Skilled with spring core such as **Dependency Injection, Annotations, configurations, Spring Beans, Spring-context-support, Spring JDBC, JPA, Spring Cloud Data Flow, and Spring Cloud Streams**.
- Extensive knowledge of the **Hibernate ORM** framework and Spring Data Access, and experience with the Object Relational Mapping Tool **Hibernate**, XML mappings, and Java Objects.
- Mastered in authentication and authorization with Spring Security in the mode of **LDAP, OAUTH, and OAUTH 2**, additionally, using **JSON Web Tokens (JWT)** to securely communicate JSON Objects.

- Excellent **Kafka** expertise for streaming real-time feeds from external rest apps to **Kafka** topics and well-versed with **Kafka** integration and creation of **Kafka** pipelines for real-time processing.
- Solid understanding of **Rabbit MQ** for storing information about queries, exchanges, and bindings, distributed databases, and developed **Rabbit MQ** for windows with consumers and procedures for services and data integration.
- Participatory expertise with **MySQL, SQL Server**, and **Oracle** databases, including their installation, configuration, management, upgrade, migration, monitoring, troubleshooting, and knowledge of defining permissions, providing roles to users, creating logins and users, and maintaining SQL Server security.
- Extensive practical knowledge in creating scalable web service designs using several relational (**MySQL, SQL server**), and distributed database systems (**MongoDB, Elastic search**) and maintaining **MongoDB** on cloud environments.
- Functioned and operated on deployment, management, and administration of WebLogic-based applications such as Apache, Tomcat, WebLogic, and JBOSS and load balanced **Tomcat** with **Apache HTTP** server with relevant modules for evenly spreading traffic across the multiple servers.
- Extensively worked and used **Postman API** to obtain a handy, visual presentation of query results and to do API testing for **Restful API** services also, involved in creating API Automation Scripts with **Postman, Jscript, and Newman**, and created HTML reports, in validation with **SOAP UI** and **Postman**.
- Unit tested web services using **Junit, Mockito, Spock**, and **TestNG** and achieved goals of Test-Driven Development (**TDD**) and performed unit and integration tests by writing **Junit** test cases using Junit Frameworks like **Mockito**.
- Explicit experience in utilizing build tools such as **MAVEN, GRADLE, and ANT** to create deployable artifacts like war and ear from the source code Also, used Software knowledge of build tools like **Apache Maven** and **Apache Ant** for creating Pom.xml and Build.xml, respectively.
- Working knowledge of version control systems such as **CVS, GIT, SVN(Subversion)**, and **SCM** like GitHub, Bitbucket, and GitLab.
- Configured applications using **Jenkins** Continuous Integration deployment plan and Integrated **Jenkins** with **Bitbucket** Repository for Continuous Integration. Also, set up and configure continuous build process.
- Knowledge of utilizing the **GitLab-ci** build automation runner to create **Docker** images and automate deployment from **GitLab-ci** to **OpenShift** and used **Jenkins** a Continuous Integration platform, to carry out deployments and builds across several environments, and designed project processes and pipelines using **Jenkins**.
- Comprehensive knowledge of **DevOps** management methodologies and production deployment Configurations, Alternative experience based on **DevOps, Networking, AWS** – Public cloud, and Release Management process that includes end-to-end code configuration, Automation, and deployments of Artifacts for entire SDLC model over AWS Cloud in 24/7 uptime environments.
- Experience in **DevOps** pipelines using **OpenShift** and **Kubernetes** for the **Microservices** Architecture.
- Well-versed with container-based deployments using **Docker**, working with **Docker images** and **Docker Hub**.
- Perpetually used **Kubernetes** to orchestrate the deployment, scaling, and management of **Docker containers**.
- Explicit experience in Amazon Web Services (**AWS**), services like **EC2, S3, IAM, ELB** (Load Balancers), **RDS, VPC, Route53, Cloud Watch, Cloud Formation, IAM, SNS, SQS, Auto-Scaling, Amazon Lambda, Kinesis**.
- Planned, Built, and Delivered large-scale Data and Infrastructure Migrations Working Experience with cloud Automation tools such as **VSTS, and Chef**, and worked on Continuous Integration (**CI**)/Continuous Delivery (**CD**) pipeline for **Azure** Cloud Services using **CHEF** Experience on High Availability Methodologies for **Azure Cloud** and **SQL 2014 AOAG**.
- Worked on **Azure** web applications, App services, **Azure SQL Database, Azure Blob Storage, Azure Functions, Virtual Machines, Fabric controller, Azure AD, Azure Data Factory, Azure Service Bus**, and notification hub.
- In-person experience on **Google Cloud Platform (GCP)** in all the big data products **Big Query, Cloud Data Proc, Google Cloud Storage, Composer (Air Flow as a Service)**.
- **JIRA** Administration experience with customizing **JIRA** projects with various schemas, complex workflows, screen schemas, permission schemas, and notification schemas.

Technical Skills

Software Methodologies	Agile, Scrum Design Pattern Session, BDD, TDD, Waterfall, Rational Unified Process
Java Technologies	Java 8/11, Spring MVC, Spring Boot, Spring Framework, Hibernate, Servlets, JDBC, JSP, JSTL, Struts, Multithreading, Angular, Spring Security, Apache CXF, Swing, AmberJS, Groovy Grails, React, Microservices, REST APIs

Web Technologies	HTML, CSS, XML, XHTML, DHTML, AJAX, Responsive Web Design, SASS, CASS, Flash
Languages	C, C++, Java, Python, .NET, XML, HTML, Shell, and Scala
IDE's	IntelliJ IDEA, Eclipse, Net Beans, Visual Studio, Dr. Java
JavaScript Technologies	React, ReactJS, AngularJS, Angular, JavaScript, TypeScript, jQuery, EXT.js, Backbone.js, Require.js, Servlets, JSP, NodeJS, VueJS, Redux, JSON, JMS, React Native
Bug Tracking and Reporting	JIRA, Bugzilla, Bug Herd, Mantis Bug Tracker
Testing Tools	JUnit, JMeter, Mockito, Selenium, TestNG, Karma, Jasmine, FitNesse, Fire Poster, SOAP UI, Protractor, FireBug
Tools	Selenium, Postman, SonarQube, Log4J, JUNIT, Ant, Rational Rose, CVS, Karma, UML
Project & Build Tools	Docker, Kubernetes, Jenkins, Maven, Gradle
Version and Source Control	GIT, SVN, Bit-Bucket, CVS, Rational Clear Case
Web Servers	JBoss, Tomcat, WebLogic, WebSphere, Nginx
Database	MySQL, PostgreSQL, Oracle, MS SQL Server, MongoDB, Cassandra DB, Redis, CouchDB
Operating Systems	Windows, Linux, UNIX, MacOS
Messaging Platforms	Kafka, JMS, ActiveMQ, RabbitMQ, IBM WebSphere MQ
Cloud Computing	AWS - EC2, S3, VPC, Microsoft Azure, GCP, TwistLocker, PCF, Cloud Watch

Professional Experience

Client: United Parcel Service (UPS)

January 2022 – June 2022

Location: Alpharetta, GA

Role: Full Stack Developer

UPS is the world's premier packaging delivery company and leading provider of global supply chain management solutions. I am responsible for developing, maintaining, analyzing, and modifying the major web application for customers' accounts, billings, statements, services, deliveries, and web servers to maintain regular updates using resources.

Responsibilities:

- Involved in various phases of the Software Development Life Cycle (SDLC) such as requirements gathering, modeling, analysis, design, development, and testing.
- Developed the view-controller components using **JSPs, HTML5, CSS3, AJAX, JavaScript (jQuery)**.
- Building stable **React** components and stand-alone functions to be added to any future pages.
- Developed the Drag and Drop functionality using **React- Draggable**.
- Used **React -Autocomplete** for creating Google map location search on the webpage.
- Developed an intranet responsive website in **ReactJS** and am familiar with the **ReactJS** lifecycle and how to integrate such functionalities using **Redux** architecture.
- Hands-on experience in developing integration with **Elastic search** in any of the programming languages like **JAVA** and **JavaScript**. Having knowledge of advanced reporting using Elastic search and **Node JS**.
- Configured **Kafka** to read and write messages from external programs.
- Used **Java8** 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 **Java 8** Method References feature to point to methods by their names and used functional Interfaces.
- Responsible for creating an instance on **Amazon EC2 (AWS)** and deploying the application on it.
- Installed, secured, and configured AWS cloud servers and **Amazon AWS virtual servers (Linux)**.
- Worked on AWS services to deploy static websites and dynamic Web Apps on **EC2** using **Elastic Beanstalk and Elastic Container Service-Docker and Kubernetes**.
- Involved in creating **EC2** instances and installed required configurations and applications on it and created **S3** buckets for storing object-level data into it.
- Used **AWS Cloud Watch** to monitor the application and to store the logging information.
- Used **Spring MVC** framework for implementing Model-View-Controller (MVC) architecture at the Web tier.

- Secured the APIs by implementing **Oauth2** token-based authentication/authorization scheme using spring security.
- Developed the monolithic application and was involved in migrating existing monolithic applications into Micro Service Architecture based **RESTful** Service and deployments were done on **AWS**.
- Designed and developed Micro Services business components using **Spring Boot**.
- Developed **APIs** to read and publish data from **Elastic Search** cluster using a native Java Transport client as well as a **REST** client. Worked on Spring Integration with the Elastic Search.
- 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 **TOAD** and accessing them through Java Programs from Oracle Database.
- Worked with **MongoDB** and **Cassandra** databases to store non-relational data in the collection and retrieve them whenever required.
- Focused on Test Driven Development thereby creating detailed **JUnit** tests for every single piece of functionality before writing the functionality.
- Performed automation testing and authored test scripts using **Selenium Web Driver/ Grid and Junit**.
- Worked in an **Agile TDD** environment using **SDLC** tools like **GIT, Jira, Jenkins, and Maven** for build packaging and deployments of the application components.

Environment: Agile Methodology, Java1.8, HTML5, CSS3, JavaScript, jQuery, Ajax, AWS IAM, EC2, S3, RDS, SQS. Hibernate, Spring, XML, JSP, JAX-RS, Spring AOP, Spring Security, Oracle, MongoDB, Cassandra, React JS, Docker, Kubernetes, GIT, JIRA, PL/SQL, STS, JUnit, Log4J, Maven, Jenkins, Kafka, WebLogic 7.1, WebSphere Application Server.

Client: United Airlines (UAL)

June 2022 - Present

Location: Chicago, IL

Role: Web Developer

United Airlines Inc, is an air transportation service provider. The company offers transportation and logistics services including carrying cargo through its mainline and regional operators. I worked as Full Stack Developer, responsible for updating and maintaining web services for the applications & support new data-driven capabilities across the organization for our iconic customer experience.

Responsibilities:

- Involved in programming, testing, debugging, implementing, and maintaining Java EE client/server distributed application to meet the organization's needs, similarly designed and developed various modules of the application with **J2EE** design architecture and frameworks like **Spring MVC** architecture and Spring Bean Factory using IOC.
- Created an **HTML** navigation menu that is role-based menu items change dynamically, derived from the database in the form of XML, and developed dynamic web pages using **HTML5, CSS3, and JavaScript**.
- Extensively instigated **jQuery** to perform **AJAX** calls to create interactive web pages on **JSON** response, also responsible for ensuring all client-side validations are fully filled using **jQuery** and **JavaScript**.
- Implemented nested views and routing using **Angular UI** Router as per the requirement. GUI was developed using **JSP, HTML, and Angular 4.0** and created reusable components in **Angular 4.0** using Custom Directives Filters, Services, and Partial, also followed Scrum/Agile for project implementation.
- Developed pages using Angular 4.0 directives, expressions, routing capabilities for bookmarking, filters, validations, and Angular UI components such as grids, buttons, carousels, date pickers, modal dialogs, and other components.
- Used **Angular 4.0** Routing for navigation between nested HTML views in the application and created Angular 4.0 custom directives that were used along with **HTML** elements for **DOM** manipulation.
- Implemented **Bootstrap** effectively to develop Custom Navigation bar and custom forms.
- Advanced and implemented User-Friendly web pages using **jQuery** plugins to implement features like Drag and Drop, Autocomplete, then involved in writing jQuery-based **Ajax** Requests using jQuery.get (URL, data, callback, type).

- To make the application responsive **CSS** and the **LESS** pre-processor were used.
- Involved largely in different phases of the Software Development Life Cycle (**SDLC**) including Analysis, Implementation, Integration, Testing, and Development of the project.
- Sound understanding of **Document Object Model (DOM)** and DOM functions and **Node Package Manager (NPM)** was used to install the required packages.
- Evolved and performed test cases using **Jasmine** and **karma** in the unit test and used the protractor and Http-server for the End2End testing and performed Unit Testing on the client side using **Mocha, Chai, Jasmine, and Karma**.
- Used Agile (**SCRUM**) methodologies during project development.
- Tested cross-browser compatibility and fixed layout-related bugs in compatible browsers.
- Used **GIT** for version control and correspondingly worked on **GitHub** to maintain the repository.
- Worked closely with developers to meet deadlines. Taken end-to-end responsibility for the project development.

Environment: **HTML5, CSS3, XML, JavaScript, jQuery, Angular4, Spring MVC, Spring IOC, Bootstrap, LESS, AJAX, JSON, NPM, ECLIPSE, Agile, Mocha, Chai, Jasmine, Karma, GIT.**

Client: Value Labs

June 2017 – November 2021

Location: Hyderabad, India

Role: Sr. Java Developer

Value Labs is a global technology company specializing in Product Development, Data Technology, Design, and Consulting, powered by The Digital Flywheel. As a developer, I have designed, developed, tested, and deployed with using different models and tools.

Responsibilities:

- Interacted with the Business Analysts in the development of requirements definition, use case analysis, and implemented Functional Specification Document (**FSD**).
- Implemented "Model View Controller (**MVC**)" architecture to obtain "**Layered Architecture**" to isolate each layer of the application for easy customization and avoid the complexity of integration.
- Involved in writing **JUnit** test cases for Unit Testing service classes.
- Performing Load Test, Backend Failure Test, and Memory Leak Test.
- Migrated the application from **Web Sphere 6.0** to **7.0**.
- Developed the Product Builder UI screens using **Angular-JS, Node JS, HTML5, CSS, JavaScript, and Bootstrap**.
- Designed and developed Web Services using **JWS JBoss** Annotations.
- Provided **UNIX** scripting to drive the automatic generation of static web pages with dynamic news content.
- Incorporated cache replication across nodes using eh cache on **JBoss**.
- Participated in requirements analysis to figure out various inputs correlated with their scenarios in Asset Liability Management (**ALM**).
- Assisted design and development and was involved in the design and implementation of the application using **Struts 1.2** framework.
- Worked extensively on the server side using **SOAP** Webservices.
- Developed Stateless Session EJB for Server-side processing.
- Installed, configured, and deployed components on IBM Web Sphere, used for asynchronous processing.
- Accessed back- JMS/MQ end data source of DB2 with JDBC API.
- Did unit testing using Junit and was involved in performance tuning.
- Used CVS for version Repository maintenance.

Environment: **Java, J2EE, Java SE 6, Struts 2.0, JSP, Servlets, Java Mail API, Node JS, AJAX, Web Sphere 6.0/7.0, IRAD Web Sphere Integration Developer 7.0, Serena Dimensions, Unix, DB2. Project: Capacity and Options Planning System (COPS).**

Client: ICICI BANK

December 2015 - June 2017

Location: Hyderabad, India

Role: Java Developer

ICICI Bank's principal objective was to create a development financial institution for providing medium-term and long-term project financing to Indian businesses. As a developer, I have designed and developed front-end solutions to business problems. Have developed UI using HTML, JSP, and Java Script and used SOAP-based web services for Integration.

Responsibilities:

- Used OOAD for building applications.
- Created sequence diagrams, collaboration diagrams, class diagrams, use cases, and activity diagrams using Rational Rose for the Configuration, Cache & logging Services.
- Designed and developed the project using an MVC design pattern and developed the front-end using Spring MVC framework, and business components using Spring.
- Developed Spring MVC validators to perform server-side business object validations.
- Implemented Tiles based framework to present the layouts to the user and has and developed UI using view tags (HTML), JSP, JavaScript, CSS.
- Implemented Generic DAO using Spring JDBC to handle database operations on Similarly Constructed Tables.
- Developed user interface using JSP, JSP Tag libraries, Spring Tag libraries, and Java Script to simplify the complexities of the application.
- Developed RESTful API with Spring Framework for benchmarking purposes.
- Implemented Spring framework in the presentation tier for all the essential control flow, business level validations, and for communicating with the business layer.
- Worked on Spring Web Flow on Spring MVC to build an application from scratch using Spring XML configurations, and annotations. Wrote controllers to handle incoming requests and send output to the UI Configured.
- Used JSP, JavaScript, JSTL, EL, Custom Tag libraries, Tiles, Interceptors, and Validations provided by Spring framework.
- Developed SOAP-based Web Services for Integrating with the Enterprise Information System Tier.
- Worked Gradle build scripts to compile Java classes and create jar, performed unit testing, and package them into ear files and SVN as version control.
- Design and development of JAXB components for transfer objects and Prepared EJB deployment descriptors using XML.
- Used JAXP (DOM, XSLT), and XSD for XML data generation and presentation Wrote Junit test classes for the services, and prepared documentation.

Environment: Java/J2SE 1.5, JSP, Servlets, JAXB, XSLT, DOM, XML, Spring 3.0, Web Services, JNDI, J2EE, RSA, JBoss6.0, Rational Rose, Spring, CVS, XML, Log4J, Oracle9i, Gradle, JUnit, Jenkins, Junit, Rational Rose, JavaScript, DHTML.