**N.V. SRUJANA AYTHA**

**SUMMARY:**

* **6+ years** of IT experience in web application development, software development life cycle (**SDLC**) and maintenance. Detailed understanding of Object-Oriented programming and developing in Java.
* Strong working knowledge of the core Java elements of Polymorphism, Data Structures, Collections, Multithreading, **File Handling I/O**, Exception Handling, Concurrency, and Garbage Collection. Good engagement with **Core Java.**
* Hands-on experience in building Applications using **Angular JS, React JS, HTML, CSS JSP**, **JSON**.
* Knowledge on the **logging framework log4J** as well as **framework**s like **Spring MVC.**
* Proficient in implementation of spring frameworks like **Spring MV**C, **Spring IOC, Spring** **REST, Spring AOP, Spring transaction Management, Spring Data, Spring DAO, Spring** **Security and Spring Boot.**
* Practical knowledge in writing on connecting to databases like **MySQL** utilizing **JSON,** **JavaScript/jQuery**.
* Excellent knowledge of the document object model (**DOM**). Used **ReactJS** to deal with client-side projects.
* Experience using design patterns including **MVC**, **Singleton,** Frontend Controller.
* Good working knowledge of **IDE** tools for developing **Java/J2EE** applications, including **Eclipse.**
* Solid experience with **SQL** relational database.
* Well-versed in creating database components for **Oracle, SQL Server,** including stored procedures, triggers.
* Experience in software configuration management using **GIT** as versioning software tools.
* Good working experience with **Java 8** features such as **Lambda** expressions, Default and Static methods in Interfaces, **Streams API.**
* Splunk exposure for log monitoring and **JIRA.**
* Worked on **Angular** with **TypeScript** and other latest client-side technologies including **ReactJS, ES6.**
* Good knowledge on **AWS** services like Lambda, s3, ec2, DynamoDB, aurora.

**TECHNICAL SKILLS:**

|  |  |
| --- | --- |
| **Java/J2EE Technologies** | Servlets, JDBC, Multi-threading |
| **Programming Languages** | Java, C, SQL, Python |
| **Application/Web Servers** | IBM WebSphere, Apache Tomcat |
| **Frameworks &API’s** | Spring, Spring Boot, Angular JS, Angular, react JS |
| **IDE’s** | Eclipse, IntelliJ |
| **Web technologies** | JSP, JavaScript, XML, HTML, CSS, JSON, Spring MVC |
| **Methodologies** | Agile, SDLC |
| **CI/CD Tools** | Jenkins |
| **Modelling Tools** | UML, Design Patterns |
| **Databases** | MySql , Oracle, SQL Server |
| **Version Control** | GIT |
| **Operating Systems** | Windows, mac |

**EDUCATIONAL DETAILS:**

* Master of Science in Computer Science, The University of Texas at Arlington.

Jan 2022 - Dec 2023.

* Bachelor of Engineering in Computer Science and Engineering, G. Pullaiah Engineering College. Aug 2014 - May 2018**.**

**PROFESSIONAL EXPERIENCE:**

**Client: E Health Line Inc., NY December 2023 – Till Date**

**Role: Java Full Stack developer**

**Description:** Patientcare is a healthcare application designed to facilitate interaction between physicians and patients. It handles the operations of patient’s appointments, registration, billing etc. It developed on WebLogic Application Server with Oracle as backend**.**

**Responsibilities:**

* Involved in all phases of Software Development Life Cycle (SDLC) including analysis, design, development, and testing of the project.
* Used Spring MVC framework for implementing Model-View- Controller (MVC) architecture at the Web tier level to isolate each layer of the application so that complexity of integration will be reduced, and maintenance will be very easy.
* Used new Java 8 features, such as Lambda expressions, Streams, and Functional Interfaces.
* Designed and developed using the Java collection API with Java 8 features and for Authentication and authorization extensively Spring Security is used.
* Used JSP and JSTL Tag Libraries for developing User Interface components.
* Implemented Spring Boot services in combination with React.js as front end to form a Micro service-oriented application.
* Implemented Spring Boot Microservices to divide the application into various sub modules.
* Used React.js for developing UI using sorting, pagination and rendering for searching the statements on the webpage.
* Created set of classes using DAO pattern to decouple the business logic and data.
* Created and maintained JSP and HTML to render and display the Content and reports on UI.
* Created HTML, CSS and React.JS to develop and customize the User Interface to show the reports in various dimensions.
* Involved in creating and extracting data from database using SQL Queries, PL/SQL Stored procedures, triggers, and packages on Oracle database.
* Implemented Log4J for Logging Errors, debugging and tracking using loggers and components.
* Worked with messaging systems like Implemented Spring Model View Controller (MVC) Architecture.
* Used Micro service architecture with Spring Boot based services interacting through a combination of REST.
* Designed and developed asynchronous RESTful Microservices using spring boot**.**

**Environment:** Java 8, Spring, Spring Boot, React.js, HTML5, CSS3, JavaScript, DAO, Rest, JSON, Apache Tomcat, SQL and Windows**.**

**Client: IBM, Bengalure, Karnataka September 2018 - May 2021**

**Role: Associate System Engineer**

**Responsibilities:**

* Involved in requirements gathering and analysis from the existing system. Captured requirements using Use Cases and Sequence Diagrams.
* Worked as part of Agile Software Development Methodology including Scrum technology.
* Worked with Business Analysts in requirement gathering.
* Being a Java developer, performed requirement analysis, Design, development, integration, testing.
* Used Object Oriented Programming concepts while developing code.
* Created test cases using JUNIT.
* Responsible for developing the UI pages using HTML, CSS, JavaScript, JSON, and AngularJS.
* Developed webpages with page responsiveness by using @media queries.
* Used Log4j for writing log files and for logging errors, debugging, and tracking using loggers.
* Used JIRA for tracking bugs.
* Served as a backend developer for IBM WebSphere-commerce.
* Follow the best practices in coding like removing unnecessary casting, using generics in HashMap, caching, Collections like sort, comparator, list, set and Design patterns.
* I engaged in UI development utilizing Angular for several months, where I actively contributed to the creation of web pages for the project.
* Experienced in creating custom directives and decorators using Angular.
* Collaborated on diverse functionalities such as R&VM, Om, UX and portfolio within IBM TRIRIGA to meet client requirements and provide post-upgrade support to end users.
* Validated the forms and workflows in IBM TRIRIGA.
* Extensively worked in JIRA, Execute Test Cases, Log Defects, Track Defects and Prioritize Defects.
* Experience in using GIT for version control systems and source code management**.**

**Environment:** Java/J2EE, Design Pattern, Spring, JavaScript, AngularJS, JUnit, HTML, CSS, RESTful API, GIT, S, Eclipse, Log4J, JIRA, IBM –Tririga, IBM- WebSphere commerce**.**

**Client: MROADS(LEVEL),Hyderabad , Telangana June 2016 - July 2018**

**Role: Java Developer**

**Responsibilities:**

* Responsible in developing Spring Boot Microservices from scratch.
* Implemented Spring Boot Microservices to divide the application into various sub modules.
* Worked with Spring annotations like Request Mapping, Auto wired, Qualifier etc.
* Implemented Data Access Objects (DAO) to access the Oracle database using Spring DAO
* Used Log4J to print info, warning, and error data on to the logs.
* Used GIT for repository the Project.
* Designed the system based on Spring MVC Model architecture. Developed a business logic layer using Spring Dependency Injection and client-side Java-beans for DAO Design Patterns.
* Functioned as a backend developer, leveraging Spring Boot technology to craft SQL queries (Creating joins/tables, select, where clauses) and additionally, I incorporated testing as part of the development process**.**

**Environment:** Java/J2EE, Design Pattern, Spring, JavaScript, AngularJS, JUnit, HTML, CSS, RESTful API, GIT, S, Eclipse, Log4J, JIRA , SQL**.**

# **Academic and Individual projects**:

**Machine Learning Project** | (Python, Machine Learning Algorithms):

* Constructed a sentiment analysis model through Python, employing advanced natural language processing techniques to categorize customer reviews into positive, negative, or neutral segments.

**Artificial Intelligence |** (Python, AI algorithms):

* Experienced in addressing diverse AI algorithms, including search related problems (BFS, DFS), two player game scenarios and implementation of decision tree learning algorithms.

**Full Stack Web Application |** (HTML, ReactJs, SQL**)**:

* Designed and built a comprehensive e-commerce platform using a tech stack that included HTML, JavaScript, ReactJS and PhP. Employed the Model-View-Controller (MVC) architectural pattern to ensure well-structured and easily maintainable code.

**Concurrent Programming Project** | (Java):

* Executed a streamlined cloud-based storage solution in Java, making use of concurrent programming methodologies to realize efficient file synchronization and administration, incorporating client-server communication facilitated by the UDP transport layer.

**Certifications:**

Certified as AWS Skills Center – Cloud Practitioner: Foundations was issued by Amazon Web Services Training and Certification**.**