

## TIMMAYYAGARI SRIJA

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### Education:

**Master of Science in Information technology**  
**Florida State University**

**August 2022 – Dec 2023**  
**GPA: 3.7/4.0**

### Technical Skills:

Languages	Java, J2EE, C#, C
Web Technologies	SERVLETS 3.1, JSP 3.0, JavaBeans 3.0
Frameworks	Spring 5, Hibernate 4.3, Angular 10, Spring Security 4.0, Quarkus, Bootstrap, .NET
Application/Web servers	Apache Tomcat 8/9, Jetty, Jenkins 2.50, WebSphere MQ 7.5
Relational Databases	Oracle 19c, MS SQL server, MySQL
NoSQL Databases	MongoDB
Internet Technologies	HTML 5, JavaScript 1.8, XML 2.0, CSS 3 and CSS 4, jQuery 2.11, Angular, Node JS 6.0.
Version Control	GitHub, Bitbucket
IDE	Eclipse, NetBeans 8.0.2, IntelliJ 2017.1, Spring Tool Suite (STS) 3.8.3, WebStorm, Visual Studio Code, Visual Studio

### Experience:

#### Graduate Assistant (Software Engineer)

**Innovation Hub, FSU**

**May 2023 – Dec 2023**

- Leading the front-end development team of interns and collaborated with the back-end team to develop a web application boosting user engagement by 20%.
- Developed the Training and Appraisal modules using Java, JSP, Servlets and JavaScript.
- Developed the UI using Java Servlets, Java script, HTML, CSS3, Ajax.
- Developed the Action classes for handling the requests from the JSP pages.
- Apache Tomcat Server is used for deploying the projects.
- Used date-format and moment packages in Node.JS to save the timestamp in database converting into GMT. Involved in Test Driven Development by writing unit test cases.
- Helped in designing and creating the database structure and its tables to minimize the storage of data.
- Developed Java Bean components to communicate with Data Base.

**Environment:** Java, J2EE, JSP, ANT, Servlets, WebLogic, SV, JDBC, HTML, CSS3, JavaScript, Junit, Ajax, RSA, Junit, MVC, and MySQL.

#### Full Stack Developer

**Florida State University**

**Sept 2022- April 2023**

- Led the modernization of data within the school data project, utilizing a robust data modeling and publishing approach to enhance the overall efficiency of the system.
- Established a comprehensive CI/CD pipeline for the new infrastructure, optimizing the development and deployment processes for increased efficiency.
- Applied the basic principles of software development to design and implement features, ensuring the project met the evolving needs of the school data ecosystem.

- Utilized Java and Spring Boot to develop Microservices, contributing to the adoption of a Microservices Architecture for improved scalability and maintainability.
- Demonstrated proficiency in AWS services, including Lambda for serverless computing, EC2 for scalable compute capacity, and DynamoDB for efficient NoSQL database solutions.
- Leveraged DevOps practices to enhance the overall development lifecycle, contributing to a collaborative and streamlined workflow within the team.
- Collaborated with cross-functional teams to gather requirements and ensure that the streaming platform aligned with the goals of the school data project.

**Environment:** Web Services - RESTful (Microservices), Servlets, Spring, Spring Boot, HTML5, CSS4, jQuery, JavaScript, Docker, Kubernetes, MySQL, Postman

## Java Developer

### Consultadd

**July 2020 - Aug 2022**

- Created a robust Single Page Application and responsive web app using Angular 10 and implemented numerous enhancements to the application, utilizing JavaScript, Spring Boot, and Angular.
- Created various frontend screens using Angular 8, incorporating predefined components from NPM. Scheduled periodic jobs using the Node Cron package.
- Used MYSQL for cloud-hosted applications through Amazon RDS services.
- Collaborated on Angular 10, working with Controllers, Directives, Services, Pipes, Guards, and Angular Routing.
- Designed and developed REST-based microservices using Spring Boot, Spring Data, and JPA.
- Verified JSON requests and responses using Postman Interceptor and Swagger UI. Developed RESTful microservices with Spring Boot 2.0, deploying them via cloud formation on AWS clusters.
- Developed BDD tests using Cucumber by writing behaviors and step definitions. Developed required Selenium support code in JAVA for Cucumber.
- Transitioned AWS infrastructure from Elastic Beanstalk to Docker with Kubernetes and created Cloud Formation templates to establish S3 buckets, AWS API gateway, and Dynamo DB.
- Utilized Behavior-Driven Development (BDD) for developing HTML and jQuery code (Qunit, jQuery).
- Led the migration of the application from Angular 6 to Angular 8 and guided team members in setting up their developer environments.
- Used NodeJS to structure JavaScript code to build Restful webservices.
- Participated in Agile Development Team and having daily SCRUM meeting for progress reporting as well as task distributing.
- Generalized JPA Toplink mapping template for the application so that top link related code could be separated from the actual DAO implementation. Combined imperative code and non-blocking reactive style using Quarkus
- Developed REST APIs using Spring MVC and Spring Boot, hosting all microservices on Kubernetes.
- Implemented multiple functionalities using Spring Boot and Hibernate ORM.
- Hands on experience on working Cypress for angular application end to end testing.
- Established the Angular 7 framework for UI development, crafting HTML views with HTML 5, CSS, jQuery, JSON, and JavaScript.
- Executed Continuous Integration and Continuous Deployment using Agile methodology, Bamboo, GIT, and AWS CloudFormation.
- Demonstrated expertise in writing SQL queries and using the Hibernate framework with Spring ORM, including interaction with RDBMS and familiarity with Non-Relational Databases like MongoDB.

**Environment:** Java8/J2ee, Web Services - RESTful (Microservices), Servlets, Spring, Spring boot, Quarkus, Cucumber, HTML5, CSS4, JavaScript, jQuery, AJAX, Eclipse, Cypress, NodeJS, Docker, Micro-Front End, Jenkins, Gradle, Log4J 2, JBOSS, Kubernetes, Spring data, JUnit, UML, Design Patterns, Git, JMS, Cucumber, MYSQL, JMeter, PL/SQL Developer, Typescript, REST, MONGO DB, Postman, EJB.

## Java Developer Intern

### Consultadd

**Jan 2020- Jun2020**

- Utilized HTML, CSS, JSP, Servlets, JSTL, Ajax, and Struts for front-end design.
- Employed JavaScript for webpage validation.
- Developed Training and Appraisal modules using Java, JSP, Servlets, and JavaScript.
- Implemented UI with Java Servlets, JavaScript, HTML, CSS3, and Ajax.

- Created Action classes to handle requests from JSP pages and deployed projects on Apache Tomcat Server.
- Designed and developed a project that reads messages from Kafka topic and applied conversation from JSON to pipe delimited String data format to be saved in Oracle and NoSQL.
- Contributed to database structure design for efficient data storage.
- Used Nodejs to structure JavaScript code to build endpoints.
- Implemented Java Bean components for database communication.
- Developed Ant scripts for preparing WAR files, EAR, and EJB for J2EE component deployment.
- Deployed applications on Jetty.
- Leveraged WebLogic Fuse for remote console login, JMX management, and web server console.
- Coded SQL Statements and Stored Procedures using JDBC for backend communication.
- Utilized PL/SQL for package, stored procedure, function, and loader coding.
- Generated Unit, Acceptance, and Integration Test Documents and Code Review Documents.

**Environment:** Java, J2EE, JSP, Oracle, ANT, Servlets, WebLogic, SV, JDBC, HTML, CSS3, JavaScript, Junit, Ajax, RSA, Junit, MVC, Apache Tomcat and MY SQL, EJB.

## **Projects Experience:**

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### **Talk to your Future**

- Transformed a traditional payphone into a modern, AI-powered interactive fiction tool by equipping it with a 3G connection and rechargeable batteries.
- Utilized Google's Dialog Flow CX to establish game logic, with a dual-layered AI system: primary layer for steering game logic using "intents" and a secondary layer interfacing with ChatGPT for deeper immersion.

### **Enterprise Task Management System**

- Created an Enterprise Task Management System (ETMS) that enables organizations to manage and streamline their workflow efficiently. The system should provide a user-friendly interface for task creation, assignment, tracking, and reporting.
- Implemented an Agile-based workflow system for task management and allowed users to create, prioritize, and update tasks in an iterative and collaborative manner.

### **Mental Health Awareness Website**

- Developed and integrated survey forms on the mental health website to collect user responses on depression and mental health.
- Utilized data analysis techniques to extract valuable insights, identifying prevalent factors contributing to mental health challenges.