**Thomas Tubbs**

ttubbsjr@gmail.com

(901) 833-6168

www.linkedin.com/in/thomas-tubbs-88b3a9240/

**PROFESSIONAL SUMMARY**

Thomas Tubbs is a software developer that has worked in various teams to build web applications. He graduated summa cum laude from the University of Memphis with a bachelor’s degree in computer science. The primary website building frameworks he has used are Java frameworks such as Spring Framework and Spring MVC, Hibernate, JDBC, and React; however, he has also worked with Ruby on Rails. Thomas has an interest and joy in building web apps that started from his first software engineering class.

**TECHNICAL SKILLS**

**Programming:** Java, JavaScript, Python, Ruby on Rails, HTML5, CSS3, SQL, Spring, Spring Boot, JDBC, Jackson, JPA, JQuery, Node, Webpack, Babel, Maven, NPM, React, Redux

**Software:** Eclipse, VS Code, IntelliJ, PyCharm, Jupyter Notebook, Git, GitHub, Cmder, pgAdmin

**Databases:**PostgreSQL

**Operating Systems:** Windows

**PROFESSIONAL EXPERIENCE**

**COOK SYSTEMS – Memphis, TN                                          12/22 – 02/23**

***FastTrack Developer***

*Twitter Clone Back-end Assessment*

* Implemented a RESTful Web Service with team members that focused on creating a Twitter-like back-end that allowed for users, tweets, and hashtags to be created while also allowing for likes, follows, and mentions
* Programmed the implementation of all CRUD operations related to the user
* Developed a database schema/ERD supported by PostgreSQL in PGAdmin that allowed for the implementation of a follower system that allows users to follow other users
* Utilized SpringBoot and JPA to ensure that the user data is safely being converted between the API and the database models
* Tested the user and follower implementation using Postman to ensure that each of them had the full functionality required to satisfy the project requirements

*Environment: Java, SpringBoot, JPA, PostgreSQL, pgAdmin, Postman, Git, IntelliJ, Maven*

*Music Artist Guessing Game*

* Created a React app guessing game with team members where users can listen to songs and guess which artist sang them
* Improved the visuals of the app by using CSS and Material UI
* Implemented the code to fetch and play the songs from the Spotify API
* Coded the fetch for the correct artist from which to get songs as well as the random incorrect artists that can be chosen from

*Environment: React, JavaScript, CSS, Material UI, Git, npm, howler.js, VS Code*

*Full-Stack Company Management App*

* Produced a full-stack application that has a RESTful Web Service on the back-end and a React Application on the front-end that allowed for user, announcement, team, and project data to be created, updated, and displayed
* Enabled the creation of users and projects, while working on the back-end team, by making endpoints that the front-end can connect to
* Worked on the front-end team of the project implementing the project page and various other features
* Tested the Web API utilizing Postman and then the front-end application utilizing data from the back-end

*Environment: Java, SpringBoot, JPA, PostgreSQL, pgAdmin, Postman, IntelliJ, Maven, React, JavaScript, CSS, Material UI, VS Code, npm, Git*

**Web Development Team Project – Memphis, TN 10/21 – 12/21**

*Developer and Functionality Designer*

* Established a plan that facilitated the completion of the Reddit-like social media app by determining the functionality and tasks needed before each sprint
* Improved functionality and safety for users by creating the front-end and back-end for the user profile using Ruby on Rails
* Encouraged user expression in their profiles by implementing the functionality for pictures to be saved and used

*Environment: Ruby on Rails, CSS, Bootstrap, PostgreSQL, Git*

**Medtronic Sponsored Senior Project – Memphis, TN 01/22 – 05/22**

*Developer and Functionality Designer*

* Facilitated the completion of the sponsor’s requirements by creating a plan that used the requirements as a baseline for the functionality and implementation of the shopping-like app in Ruby on Rails
* Created the implementation for a user profile, as per the sponsor’s requirement, that would act as verification for a user trying to order through Medtronic
* Designed an admin that would act as proxy for a Medtronic employee approving orders
* Improved user convenience by allowing the cart to be saved for later using cookies

*Environment: Ruby on Rails, CSS, Bootstrap, PostgreSQL, Git*

**Bloons Tower Defense 6 AI Project**

*Developer*

* Created an AI using Google Colab that can play the game by itself
* Made the skeleton for the AI using OpenAI Gym
* Found relevant memory addresses that contained data for the AI using Cheat Engine

*Environment: Python, Google Colab, OpenAI Gym, PyMeow, Cheat Engine*

**EDUCATION**

**Cook Systems FastTrack Java Program – Memphis, TN           12/22 – 02/23**

*Concentrated Java Frameworks and developer tools training*

**University of Memphis – Memphis, TN          08/18 – 05/22**

*Bachelor of Science: Computer Science*