J. MARSHALL TURNER

Email: marshallarts12@gmail.com   **LinkedIn**.com/in/j-marshall-turner

U.S. Citizen   **Marshall-Artz.GitHub.io**/jmarshallturner

EDUCATION

University of North Texas, Denton   **May 2023**

B.S. Computer Science, Minor in Engineering Technology   **GPA:** 3.27

TECHNICAL SKILLS

Programming Languages: Experience developing React/Angular JavaScript with Java Spring Boot RESTful services. Solid understanding of C/C++ and object-oriented design fundamentals.

WORK EXPERIENCE

Software Engineer, Fannie Mae, Plano, TX Office   **Summer 2023 - Present**

- Helping develop and maintain critical infrastructure for a real-time mortgage-backed securities trading portal for financial traders and mortgage lenders with billions of dollars in real time trading volume
- Working as a Full Stack Software Engineer in an agile environment with a JavaScript Angular frontend and Java Spring Boot backend hosted primarily on AWS Cloud infrastructure
- Contributing to many features or upgrades for the application such as administrative users for automation of phone trades, trader analytics for real time trading data, Java version upgrades, as well as others
- Learning a wide range of technologies in areas like AWS cloud technologies, deployment pipelines, testing suites, as well as development processes like contingency failback testing and release planning

Software Engineering Intern, USAA, Plano, TX Office   **Summer 2022**

- Developed an internal administrative webpage for developers to debug the payments platform systems
- Designed a frontend to backend architecture in an Agile environment for various user services
- Built a frontend using HTML/CSS with React & JavaScript to design various styled components with unit testing, React Redux for state management, and React Saga for handling backend service calls
- Created a backend using Java Spring Boot with Lombok annotations, Spock unit testing, and simple JDBC SQL Queries or further service calls for gathering debugging information for the user
- Developed the project with Docker/Kubernetes containerized software and CI/CD with GitLab

PROJECTS

CheckUP, HackDFW   **Fall 2022**

- Created a healthcare monitoring app to view patient info, chat with patients, and schedule relevant nurses
- Worked on frontend development in React Native creating styled components and further REST API calls
- Applied RESTful API service fundamentals to implement a backend Python Flask API and SQLite database implementation for patient information and chat messaging system

Airport Development Simulation   **2021**

- Implemented a simulation for growth of an airport using object-oriented design with GitLab version control
- Made a system for reading objects of different types depending on attributes from a provided layout file
- Updated the system with user provided time steps and output the simulation to a file and command line

7-Segment Digital Clock   **2020**

- Organized the software design of an Arm Assembly language digital clock system that acted as a counter
- Provided coding knowledge to merge with hardware design for GPIO pins, assembly logic, and circuitry
- Utilized knowledge and extensive experience embedded systems on an TI MSP-432 microcontroller