

J. Marshall Turner

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EDUCATION

University of North Texas, Denton

B.S. Computer Science, Minor in Engineering Technology

May 2023

GPA: 3.27

TECHNICAL SKILLS

Languages: Java, JavaScript/Typescript, HTML/CSS, C/C++, Python, SQL

Frameworks/Libraries: React, Angular, Redux, NgRx, Spring Boot, React Native, Flask

Tools & Technologies: AWS, DynamoDB, Docker, Kubernetes, Jenkins CI/CD, GitLab CI/CD, Git Version Control

WORK EXPERIENCE

Software Engineer, Fannie Mae, Plano, TX Office

Summer 2023 - Present

- Maintain a real-time Mortgage-Backed Securities trading portal handling billions in trading volume
- Design and deploy Angular UI components with NgRx state management for trading reports, automated phone trades, and hit rate analytics, allowing traders to win a higher percentage of trades resulting in significant financial gain
- Build Java Spring Boot backend services primarily in EC2 instances for core services or Lambda Microservices for minor services and accessing data using AWS DynamoDB
- Utilize Jenkins CI/CD pipelines to test and deploy code in a multitude of cloud lower environments
- Develop code using Bitbucket code repositories and feature-based git branching with branch protections
- Test code with an array of libraries such as automation tests using Sauce Labs & Cucumber, frontend Selenium Unit Tests, and backend JUnit tests
- Work in an Agile environment with daily standups, refinements, code reviews, and communication with business partners through product owners

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

Personal Website, www.jmarshallturner.com

Spring 2025

- Built a responsive personal website using Angular and JavaScript/Typescript with mobile-optimized design
- Designed various components with an overall theme to be re-used throughout the webpage
- Uses Google Forms API to pre-populate google form information to automate a previously manual process

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