

John Egnatis

[[portfolio](#)] . [jce180001@utdallas.edu] . [[github](#)]

Experience

Full Stack Software Developer, WaveXchange (startup)

June 2022 - Present, Richardson, TX

- Works on a three-layered application developed in Reactjs, TypeScript, NodeJs, and MySQL. The application is a client facing website designed to allow third-party companies to manage their telecommunication devices in real time. Additionally, these companies can buy and sell edge compute and network services in a global marketplace.
- Manages the version control and CI/CD pipelining of the three-layer application and the company's landing page website onto Amazon Web Services.
- Assists leadership in creating software demos to be presented to potential investors.
- Consistently works with manager to design and architect new features. Takes part in the whole software development cycle, from planning and design to implementation and testing.
- Monitors the health of the application by identifying software bugs and code optimizations.

Technologies used: [MySQL](#) [NodeJs](#) [AWS \(Aurora, EC2, S3\)](#) [Jenkins](#) [Jira Software](#) [Docker](#)

Languages used: [Reactjs](#) [TypeScript](#) [SASS/CSS](#) [HTML](#)

Projects

Record Manager (April - May 2022)

[C](#) [Sockets](#) [Multithreading](#)

- Developed a client-server architected application, coded in C, to manage the insertion, retrieval, and deletion of records managed in a UNIX file.
- Implemented multithreading to the backend which allows for multiple instances of the frontend to make database calls instantaneously.
- Designed the application with optimizing data structures that accelerate database calls while ensuring the database does not become corrupted due to race conditions.

NHL Stats APP (January - February 2022)

[React](#) [TypeScript](#) [Tailwind CSS](#) [Axios](#) [React Tables](#) [GitHub](#)

- Developed a mobile-friendly web application to display real time statistics of the NHL's teams and players in a simplistic model.
- Utilized several public API's to gather the team statistics, team logos, player statistics, and player portraits which get rendered by Reactjs into sortable, interactive tables.
- Link to the [GitHub](#).

Education

Bachelor's Computer Science at the University of Texas at Dallas

[Java](#) [C/C++](#) [UNIX](#) [MIPS assembly language](#) [MATLAB](#)

- 3.934 GPA
- Graduate Fall 2023
- Vice President of The UTD Lacrosse Club
- Conversational Fluency in Spanish
- Machine Learning, Data Structures and Algorithms, Software Engineering, Database Architecture