

# John Egnatis

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

## Experience

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### 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

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### 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)

Reactjs 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

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### 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