

# ALEJANDRO (ALEX) PEREZ

## Software Engineer

[Portfolio](#) | [Github](#) | [LinkedIn](#)

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### EDUCATION

**DigitalCrafts** | Certificate in Full Stack Web Development February 2023 – June 2023

- 17 week program, 5-days a week, 70 hours per week invested coding
- Worked on 3 group projects, 1 solo project, and daily homework assignments

**Topics covered include:**

- Frontend development using HTML5, CSS3, Bootstrap, Javascript, and AJAX
- Building RESTful APIs and Server-Side websites via Node.js, Express, and Mustache
- Proficiency in working with SQL and NoSQL databases, utilizing raw queries and ORMs with PostgreSQL, MongoDB, Sequelize, and Mongoose
- Creating modern single-page web applications with state management with React.js and Redux

**University of Houston** | Bachelor of Music (Composition) August 2017 – December 2022

- Graduated with honors (cum laude), demonstrating consistent academic excellence throughout the program
- Recognized for exceptional artistic merit by winning the Sarofim Composition Contest (2021)
- Served as Conductor & Music Director of VCO (2018 - 2020), a student led volunteer orchestra dedicated to bringing classical performances to underprivileged communities in the Houston area

### ENGINEERING PROJECTS

**Application Tracker** | [Github Repo](#) | [app-tracker-three.vercel.app](http://app-tracker-three.vercel.app) July 2023

- Independently developed a sophisticated job application tracker, offering users a sleek and intuitive platform to manage and monitor their job applications effectively.
- Integrated AWS Lambda and AWS EventBridge to check the status of pending applications daily.
- **Built with:** Next.js, Typescript, TailwindCSS, shadcn/ui, Supabase, Prisma, NextAuth, AWS

**EzGo** | [Github Repo](#) | [Video Demo](#) | [ezgo.vercel.app](http://ezgo.vercel.app) June 2023

- Group Size: 2
- EzGo is a capstone project aimed at providing users with a platform to plan their commutes using eco-friendly modes of transportation.
- Responsible for integrating OAuth authentication, UX/UI, and Google Maps API implementation
- **Built with:** Next.js, Redux Toolkit, Javascript, TailwindCSS, MongoDB, Prisma, NextAuth

**Pub Crawl** | [Github repo](#) | [pubcrawl.vercel.app](http://pubcrawl.vercel.app) May 2023

- Independently developed a dynamic application that simplifies pub exploration, allowing users to effortlessly discover and explore local pubs, access comprehensive information on various beers, and find exciting venues in different cities.
- Responsible for integrating two APIs, designing and implementing the user interface, and configuring authentication functionality.
- **Built with:** React, Redux Toolkit, TypeScript, TailwindCSS, & Supabase.

**Projected** | [Github repo](#) | [Video Demo](#) | [projectied.onrender.com](http://projectied.onrender.com) April 2023

- Group Size: 2
- Collaborative management app that allows users to create projects/lists and organize their tasks within each project.
- Primary responsibilities included implementation of the entire backend, including database and authentication, and API implementation to enable real-time updates.
- **Built with:** HTML5, CSS3, JavaScript, Node.js, PostgreSQL, & Auth0.

**My Gamer List** | [Github repo](#) | [mygamerlist.onrender.com](http://mygamerlist.onrender.com) March 2023

- Group Size: 2
- Video game database search app for Gamers to help and encourage discovery of new (& old) gaming experiences.
- Responsible for developing the end-to-end functionality, including API integration and creation of pop-out menus.
- **Built with:** HTML5, CSS3, TailwindCSS, JavaScript.