

# Carlos Villatoro

## Full Stack Software Engineer

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[LinkedIn](#), [Github](#)

Software Engineer that enjoys creative solutions to solve problems efficiently. With the ability to quickly learn and integrate, I am able to use my experience in fast-paced environments to meet client needs and changing deadlines. I will use my excellent communication skills and strong motivation to succeed as a team or individual.

### SKILLS:

- **Programming Languages:** HTML, CSS, Javascript, Python, JSON
- **Frameworks:** React, Express, Django, Sequelize, Mongoose, Node.js
- **Databases:** MongoDB, PostgreSQL,
- API Implementation, Node.js Packaging, Data Structures, JsonWebTokens, Hashing, Encryption
- Github, Git, Git Workflows, CSS Frameworks (Tailwind, Bootstrap), Authentication

### PROJECTS:

- [Nascar Pit Tryouts](#): An aim-based training game focused on using canvas DOM manipulation with JS. Built with HTML/CSS/Javascript. Deployed with github.io: [Nascar Pit Tryouts](#)
- [Carzilla Search](#): A Node based full-stack application that implements a public API and Sequelize. Created with RESTful Routing to utilize the Sequelize ORM to create a database table structure and interact with relationally-stored data. Applies user authentication methods to authorize user actions by encrypting cookies during login and hashing passwords upon sign up. Deployed with Heroku: [Carzilla Search](#)
- [BugOut](#): A collaborative React and Node based full-stack application that utilizes a React front-end user interface to update a MongoDB database using Node back-end routing. TailwindCSS was used to create a responsive single-page application. Deployed with Netlify: [BugOut](#)

Personal responsibilities:

- Managed front-end and back-end Github repositories by reviewing and approving pull request
- Collaborated on back end and front end programming
- Created responsive design using Tailwind framework

### EXPERIENCE:

#### Software Engineering Immersive Student | General Assembly | Austin, Texas | April 2022 - July 2022

Completed a 12 week full-time immersive program in full-stack web development with 540 hours of expert-led instruction and project based learning in Javascript, Python, HTML and CSS with a focus on REST APIs and ReactJS.

#### Designer | Hudson Products Corporation / Chart Industries | Beasley, Texas | 2018 - 2022

Designed Air-Cooled Heat Exchangers using Engineered-to-Order specifications and API standards

- Completed full fabrication drawings including sheet metal and structural steel
- Reviewed design standards, procedures, and drawing output for deployment to manufacturing
- Represented engineering and design while consulting international manufacturing firms on material and design specifications

### EDUCATION:

#### Software Engineering Immersive Student

General Assembly | Austin, Texas | April 2022 - July 2022

#### Associate of Applied Science in Engineering Design Graphics

San Jacinto Community College | Houston, Texas | May 2019