LinkedIn- https://www.linkedin.com/in/ethan-townsend-15320a10b/  Portfolio - https://ethanetownsend.com/#/

Github- https://github.com/ethantown93

# Ethan Townsend

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Summary.

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# #Skills

| Front-End | Back End | Source Control | FrameWorks | UI/UX |
|-----------|----------|----------------|------------|-------|
| Javascript ES6 | REST | Git(Git Flow) | Angular | Wireframing |
| CSS3 / SASS | Node.js/Express | SCRUM / Agile | Bootstrap | Prototyping |
| HTML5 / XHTML | MongoDB | Github | Knockout.js | Adobe Suite |
| Angular Material | | | | User Stories |
| Webpack | | | | |

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# #Projects

**EatIt Meal Prep Website (**https://eatit-production.firebaseapp.com/#/**)**

This is an online store for a meal prep company EatIt.

1. **My Role:** I am responsible for the entire app, (Creating wireframes, user stories, ORD's, etc), Front-end development, Back-end development.

2. **My Process for constructing the site, and site functionality:** My process when designing web apps is consistent across the board, so I will only mention it for this project, but my process is the same across all projects.

   a. **Step one is to gather project requirements**. Understanding expectations, scope, required resources, and deliverables is perhaps the most important part in the design process, as it's important for all parties involved to be on the same page before work begins.

   b. **Step two is wireframes and overall site architecture.** Site architecture includes flow charts which give a high-level overview on the layout of the site. Then comes wireframes for each individual page.

   c. **Step three is nailing down the styling.** For this project I received all styling preferences from my friend who had specific requirements according to his brand that he wanted for the design. Everything is done to his specifications.

   d. **Step four is coding / site construction.** This is of course where the real fun begins. I always begin with the HTML and CSS markup to get the view up and running. Once I'm happy with the UI I build out the functionality to connect with the UI. Once this is finished, I tie in the back end, which the case of this project happens to be Google's Firestore.

   e. **Step five is testing.** Before launching, I do QA testing on all aspects of the app. I run API's through SOAPUI to make sure they are working correctly, I check for responsiveness to make sure the app looks good on all devices, and I conduct unit tests on major functions of the app (login, registration, loading user information from database, etc.)

   f. **Step six is launch.**

3. **Technologies used:** Angular: I chose Angular for this project , Bootstrap, Firebase hosting and Firestore.

4. **Challenges and learning:** This is an ongoing project, but so far the hardest part is learning and understanding Firebase and how to work with it.

**[Mastering Diabetes LLC (](https://www.masteringdiabetes.org/)**[https://www.masteringdiabetes.org/)](https://www.masteringdiabetes.org/)

This is a company dedicated to helping people deal with and overcome their diabetes.

1. **My Role:** Front end development and was planned, implemented, and maintained their SEO campaigns.
2. **Technologies used:** HTML5, CSS3, ES6.
3. **Challenges and learning:** Biggest challenge in this project was getting their SEO sorted out. The on-site SEO was a train wreck when I came in in 2017.

**[Client Management Panel (](https://client-panel-7637b.firebaseapp.com/login)**[https://client-panel-7637b.firebaseapp.com/login)](https://client-panel-7637b.firebaseapp.com/login)

A client management system which keeps track of personal information, and the balance owed by a client.

1. **My Role:** Front end development
2. **Technologies used:** Angular/Typescript front end, Firebase back end & hosting.
3. **Challenges and learning:** My main challenge with this project was learning how to integrate and use Firebase, as this was my first time attempting to use it.

## Vanilla JavaScript Projects (ES6) ([https://github.com/ethantown93/vanilla-js-practice](https://github.com/ethantown93/vanilla-js-practice))

This is my GitHub Repo containing all of my recent JavaScript projects (pure ES6).

1. Projects include:
   a. My own mini HTTP library (One version using XML/AJAX and the other fetch()).
   b. A weather app which grabs weather data from an external API

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# #Experience

### EatIt Meal Prep Company / Full Stack Developer

December 2019 - Present : Dubai | Remote

↳Interfaced with and developed a mid-sized web application for the client.

↳REST API based back end using Google Firebase/Firestore.

↳Bootstrap for general styling with custom styling written in CSS3.

↳Executed Angular front-end in Typescript.

↳Coordinated closely with owner in regard to UI/UX, design, QA, prototyping and wireframes.

↳Source control using Git.

### Bob's Computer Repair Shop / Team Lead for Capstone Project at Bellevue University

October 2019 – December 2019 : Bellevue NE | Remote

↳Interfaced with and developed a mid-sized web application for the university's capstone project.

↳Worked with and managed my team for all aspects of the development process.

↳Ran daily SCRUM meetings via Zoom with my team to talk about the previous day's progress and any problems they were having.

↳Delegated daily tasks to team members through Trello.

↳Conducted daily code reviews with my team to minimize bugs/refactor where needed.

↳REST API based back end using Node.js and Express framework.

↳Implemented NoSQL database using MongoDB.

- 100% Custom styling written in CSS3.
- Executed Angular front-end in Typescript.
- Coordinated closely with team members in regards to UI/UX, design, QA, prototyping and wireframes.
- Source control using Git, commits to dev branch merged into master at the end of every week.

## NodeQuiz Web app / Full Stack Developer

August 2019 – October 2019 : Bellevue NE | Remote

- Interfaced with and developed a mid-sized web application for school project.
- Planned and executed all phases of my development process.
- REST API based back end using Node.js and Express framework.
- Implemented NoSQL database using MongoDB.
- 100% custom styling written in CSS3.
- Executed Angular front-end in Typescript.
- Wrote custom quizzes for numerous coding languages including Node.js, JavaScript, and REST.
- Source control using Git.

## Bellevue University / Full Stack Development Student

August 2017 – December 2019 : Bellevue NE | Remote

## Courses taken & Topics Covered:

- REST
- JSON API's
- SOA.
- OAuth
- Internet Systems and Architecture
- Enterprise JavaScript II
- Introduction to NoSQL.
- RESTful APIs
- DevOps
- SOAP
- Hypermedia Design
- Microservices.
- Fundamentals of Web Development
- Enterprise JavaScript I
- Business Environment for Web
- Node.js.
- Angular with Typescript

*DevOps topics covered:*

- Technology value stream
- DevOps Automated Testing
- CI & CD
- CA Process
- Security Controls
- Pager Rotation Duties
- Change Management.

- Mastering the MEAN stack coding bootcamp

## Mastering Diabetes LLC / Front-End Dev / SEO marketing

January 2017 – February 2018: Cuba | Remote

↳Implemented new UI using HTML5, JavaScript, and CSS3 to improve overall UX.

↳Managed / ran all SEO marketing, to include on-site and off-site optimization, page speed optimization, and image optimization.

↳Manually performed market research, to include customer demographics, keyword research, site indexing.


# #Education

**Bellevue University** / Bachelors in Full-Stack Web Development

2011 - 2019  : Online classes

**Udemy** / Completion Certificate for "[Angular 8 – The Complete Guide (2020 Edition)](#)" by Maximillian Schwarzmuller

Course Overview:

Fall 2018: