

# Michael Manoguerra

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[MichaelManoguerra.com](https://MichaelManoguerra.com)

[Github](#)

I am a passionate and hardworking individual who is driven to do the best work possible and learn quickly. I have a proven track record of taking on responsibility when needed, developing new tools to improve efficiency, and mentoring others to improve the skill of the team as whole.

## TECHNICAL SKILLS

**Front End:** Angular 15+, RxJS, Karma Test Runner, SCSS, TypeScript, responsive/mobile first design, CSS grid, Flexbox, Bootstrap 5, ReactJS, vue3, GreenSock Animation Library, Redux, A11y/Accessibility WCAG spec, Jest, test-library

**Back End:** Docker Environments, Nginx config, Node.js, Express, PostgreSQL, MongoDB, Mocha, Jest

**Dev Tools:** Git, shell scripts, browser tools, AWS, VSCode, Vim, Circle CI

## EXPERIENCE

**Independent Consultant - Houwzer:** Remote

9/2023 - Present

### **Software Engineer**

- Hired back to Houwzer as Independent Consultant to help maintain custom application
- Focus on updating existing integrations and templates to align with most recent business needs
- Implementing two-way integration with existing Hubspot API connections

**Environment:** SCSS, Angular 15, DelayedJob, Ruby/Rails, Postgres, AWS

**Houwzer:** Philadelphia, PA/Remote

11/2020 - 9/2023

### **Software Engineer**

- Fast paced startup environment with a lean full stack developer team, where I was the frontend specialist.
- Personally responsible for upgrading from Angular 7 to Angular 15 during my tenure.
- Implemented advanced dynamic component rendering logic.
- Championed page level query params based stateful routes for better user experiences.
- Architected design system and implemented product and company name and branding change; quickly re skinnable via configuration.

- Built and maintained a websocket based ticketing system.
- Built a custom state management for an in house form builder for manager users.

**Environment:** SCSS, Angular 15, DelayedJob, Ruby/Rails, Postgres, AWS

**Freelance:** Remote

5/2020 - 11/2020

### **Full Stack Development**

- Multiple freelance contracts in a range of disciplines.
- A highlighted project was a Vuejs and Gridsome static site storefront for a local seamstress.
- Customer was provided a NetlifyCMS backend to update content for her site, including the ability to customize the layout of each page with several different custom built display components

**160over90:** Philadelphia, PA

11/2019 - 5/2020

### **Front end Developer**

160over90 is an international Branding Agency.

- Built high quality, reusable, responsive, component based websites in VueJS, primarily for colleges and universities.
- Worked with a large, remote team of graphic designers, UX designers, project managers, and developers, where projects were carefully scoped from start to finish.
- Our team was invested in atomic design and architecture. For every project, I helped build lockup components for links, text blocks, and cards, so everything was uniformed and building-block based for DRY code.
- All components were meticulously peer reviewed by myself and the team for design adherence, responsiveness, and flexibility under variable content.
- All projects were required to be WCAG spec accessible.

**Environment:** Sketch, GSAP, Foundation, SCSS, vue JS, Twig, Laravel Forge, Digital Ocean

**BoxPlot Analytics:** Philadelphia, PA/ Remote

9/2019 - 4/2020

### **Application Developer**

Boxplot Analytics is a data analytics company.

- Lead developer in building a social media Analytics Dashboard, with small businesses as the target client.
- Product built in the Django web framework, with a module based design intended for painless scalability.
- I designed and built a custom class or set of classes for each API, with internal methods, class methods, and variables, so the data can be stored in one place when extracting from the database, transforming, and updating the data.
- Built charts to display data with chart.js.

- Application runs a nightly cron job to collect data from Twitter, Facebook, and Google API's, parsing and saving raw data over time, while also saving our own computed analytics and insight data.

**Environment:** SCSS, Bootstrap, Docker, Django Web Framework, PostgreSQL, Pandas, RestAPI's, GraphQL API, NGINX, Heroku

**Trilogy Education at the University of Pennsylvania:** Philadelphia, PA      6/2019 - 2/2020  
**Teacher's Assistant**

UPenn LPS hosted developer bootcamp.

- Full Stack developer bootcamp that uses javascript to teach full stack web technologies.
- I was one of two TA's for the duration of a cohort, where I assisted the students in many disparate web based software patterns, frameworks, and implementations.
- Students learned things from HTML and Bootstrap, to React, Node with Express, multiple Database ORMs, web scrapers, templating libraries, authentication, and many other things.
- My job required me to be well versed in all of these technologies, so as to be able to debug and troubleshoot errors of a surprising variety.

**SMASH Academy at the Wharton School:** Philadelphia, PA      6/2019 - 2/2020  
**Computer Science II Instructor**

Smash Academy is an Extracurricular program for underrepresented highschool students.

- National program for excelling high school students at the University of Pennsylvania.
- Teaching Computer Science course on website design and computer based logic.
- Provide feedback, guidance, and mentorship to students on various programming related questions.
- I taught a summer intensive course on Javascript, and two winter weekend follow up courses.

**Code For Philly:** Philadelphia, PA/ Remote      1/2019 - 2/2021  
**Full Stack Engineer, Lead Developer , Fellowship Mentor**

Code for Philly is a volunteer organization.

- Front end mentor for Code for Philly's inaugural fellowship program, sponsored by Comcast.
- Long term contributing full stack developer for a Python/Django/React project.
- Work closely with a team to architect an appointment system for Prevention Point Philadelphia.
- Onboard new volunteers, design new features, and do code reviews.
- Run weekly meetings and write most of the tickets for the project.

**Environment:** Django REST Framework, PostgresQL, NGINX, Github Actions, Docker, Python, ReactJS, Parcel, MaterialUI, Mobx State Management System, Babel, Prettier/ESLint/Husky

## **EDUCATION**

**Thinkful Engineering Immersion Program:** 12/2018 - 04/2019

Full time, full stack, JavaScript and data structures software engineering program.

- Learned best practices on current industry leading software and frameworks, from proven industry professionals and educators.
- Daily instruction in the morning moved at a fast pace, followed by an afternoon of pair programming to work on the day's challenges, each time with a different cohort member.
- The curriculum included React, Redux, NodeJS, Express, jQuery, Postgres, and MongoDB, with emphasis on sound security practices. There was also a month's long data structures and algorithms section to the program.
- Requirements included coding challenge exams, and agile based capstone projects.
- Curriculum was meticulously maintained and updated.

## **HIGHLIGHTED PROJECTS**

[Mural Map Philadelphia](#): Static site documenting Philly murals and their surrounding trees.

- Angular 14, Scully.io, NetlifyCMS

[Random String Generator](#): Random Password/String generating web tool.

- Single Afternoon project.
- Uses Browser Crypto API to generate a random string.
- User can control the characters to be used

Multiple references available upon request!