

# CAMERON THARP

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## Technical Skills

Languages and Frameworks: JavaScript, React, jQuery, Node, Express, .NET, C#, Visual Basic, SQL, Entity Framework, SQL Server, CSS, SASS, Bootstrap, HTML

Technologies: Azure cloud services, Fortify static and dynamic security scans, version control (Git), workflow processes (Agile), unit testing

## Professional Experience

Software Engineer at Big Nerd Ranch

01/2022 to present

As a front end engineer, I consulted with a client's team to develop an energy dashboard that allows customers to track energy usage and occupancy of buildings. Features of the application include a map of the building separated by areas that the user can click into to see different types of data.

- Spent about 80% of time actively coding different features from designs
- Mentored and trained the client's back end team to ramp up with front end web development, including working with React and writing clean, modular front end components
- Application built in React with Typescript, Redux, and styled components.
- Leaflet js used for the maps
- Implemented React Query data-fetch library to handle server state

Software Engineer at Triencon Services

11/2018 to 01/2022

I developed many different types of web applications for different customers ranging from energy providers to Department of Defense clients. We emphasized secure code standards based on popular vulnerability checklists. The work involved the building and documenting of code standards and practices that help efficiency across projects.

- Modernized applications by rewriting in current frameworks, such as jQuery to React, Visual Basic to C#, and inline SQL to Entity Framework
- Architected rewrite of legacy applications with requirements to 1) create modular code 2) optimize speed and efficiency of application 3) move business logic to service layer 4) add new features specified by the client
- Completed extensive work with Google Maps, such as designing custom map icons, creating a search bar that allowed the user to find a streetlight based on streetlight id or location, filtering results based on the user's zoom level and the latitude and longitude bounds, boundary boxes, among other features

- Used Azure cloud services to host web applications via container instances and app services; migrated on premise SQL server database to cloud-based Azure SQL Database
- Developed and maintained an internally built CMS that allowed any manager to dynamically update the company website's information
- Designed and wrote a custom solution that allowed a client to compare OSISoft PI's Asset Framework data to company's raw data; solution consisted of Angular built smart table, custom API server, and Oracle database
- Administered, tracked, and resolved code vulnerabilities based on Fortify's static and dynamic security scans; analyzed the DoD's Security Technical Implementation Guide for Application Security Developers (ASD STIG) checklist, and used as tool to provide proof that web applications meet security standards of OWASP Top 10 2017, STIG 5.1, and DISA CCI
- Organized and led team of developer interns to build internal web applications, such as an application to monitor all IT Assets on the company network

Front End Developer at Meowtel.com

02/2018 - 11/2018

Meowtel.com is an app that connects cat-owners with cat-sitters. I was brought into a team of three developers to complete a fresh rewrite of the application. The main goals were to overhaul the design and functionality for a simple user experience and to make the website faster. Meowtel.com currently is live and has thousands of users.

- Used React, Bootstrap, and Sass to transform designs into pixel-perfect live application
- Prioritized modular and reusable code so the project could easily scale
- Utilized Fetch API for HTTP requests and JWT tokens to keep track of user sessions

Web Developer Teaching Assistant at UT Coding Bootcamp

09/2017 - 04/2018

- Helped teach students to analyze code, debug and utilize online tools to search for solutions, use Chrome DevTools, problem-solve, build efficient and modular code, and create web applications
- Mentored students and acted as a source for students to talk about their current and future ambitions, and how programming can help them achieve their goals
- Responsible for the logistics of running a smooth classroom; made sure the instructor's pacing aligned with the lesson plan and reached out to students to gauge their happiness and success in the class
- Technologies taught: HTML, CSS, Bootstrap, jQuery, JavaScript, React, Handlebars, Node and Express, APIs and AJAX, RESTful APIs, HTTP Protocol, MySQL and Sequelize, Mongoose and MongoDB, Version Control (Git), Terminal/Bash commands

Science Teacher at various public schools

06/2012 - 07/2017

- Tracked data extensively to measure student's progress
- Entered teaching as a Teach for America Corps Member

### **Certifications and Education**

Microsoft Azure Fundamentals Certification - 10/2020

Full-stack Web Development Certification - 07/2017

- University of Texas - Austin

Bachelor of Arts - 09/2011

- University of North Texas
- GPA: 3.7 Magna Cum Laude