

# Daniel Ventura

## Front-end Developer

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## Summary

I take new front-end features, layouts, and designs from concept to production to help maximize the value provided to end-users and clients. I build responsive layouts for new features, refactor existing front-end logic, and reshape backend data to optimize data flow and reduce request loads. I leverage constant communication with my team, project planning tools, like Trello, and scrum methodology to plan projects and meet deadlines.

## Core Competencies

JavaScript, jQuery, React, AngularJS, C#/.NET, HTML5, CSS3, Python, C#/.NET, REDCap, Tableau

## Experience

Vanderbilt University Medical Center

**Application Developer**, March 2021 - June 2024

- Developed new and innovative software and data solutions used by a team of 75 people.
- Built, debugged, and improved 44 HIPAA-compliant REDCap clinical research databases.
- Spearheaded the introduction and led the integration of new tools into our workflow (Tableau and Freezerworks) to improve visibility into study data.
- Created SOPs for biospecimen storage database and Tableau setup and usage.
- Maintained and debugged 37 existing REDCap databases used for ongoing clinical studies.
- Utilized Tableau to build 9 dashboards for a top-level view of study progress and key data points.
- Developed 2 software tools using HTML, jQuery, and PHP that saved hundreds of data entry hours.
- Served as administrator and led the integration of new technology for biospecimen data and tracking.
- Created 10 Tableau dashboards to track high-level study data and improve team workflows and outcomes.

SimpleVOIP

**Front-End Developer**, 2020 - 2021

- Developed 5 new client-facing front-end features to provide more value to our dozens of VOIP customers. Created and amended SQL queries and back-end code to shape data for a more streamlined user experience and new features. Debugged back-end and front-end code for a more seamless customer experience.
- Planned and developed a customer self-service ordering wizard using HTML, jQuery, and CSS.
- Edited and created new SQL queries and back-end architecture for new user architecture and user-based permission systems used throughout the site.
- Led the integration of our customer-facing site with Google Charts API for hundreds of diagnostic data visualizations.
- Refactored SQL statements for more streamlined and less resource-intensive requests.

Self

**Freelance Developer, 2018-2020**

- Created a professional business site for a local lawyer for marketing and client lead capture
- Leveraged Vuforia, Unity, and C# to build 3D models and Augmented Reality prototype applications for local startup funding and the AARP pitch competition
- Created an ASP.NET web experience for a local artist to immerse users further into artworks with sound
- Regular communication with clients for on-time delivery of the end product

Southwestern Advantage

**Software Engineer, 2017**

- Overhauled and debugged UI layout and backend code used in 4 children and teen-focused educational companion sites used by thousands of families.
- Built new UI layouts for 2 existing customer sites to specifications (<https://www.skwidz.com/>).
- Wrote backend tests for existing codebase.
- Debugged responsive design and JavaScript game logic bugs.
- Wrote custom SASS scripts and media queries for seamless site transitions and styling.
- Built out 3 email templates and tests for customer-facing email marketing campaigns.

Nashville Software School

**Apprentice Software Developer, 2016**

- Worked in scrum teams of three to four using tools like Kanban and Github to build various front-end and full-stack projects and met all deadlines.
- Developed major front-end and full-stack capstone applications to demonstrate mastery of software skills.
- Participated in numerous peer-coding sessions and code reviews to hone my skills over a year while working my full-time job.

## **Education**

Nashville Software School

**Software Development Certificate, 2016 - 2017**

University of Delaware

**Bachelor of Arts, Asian Studies, 2009 - 2013**