

CHRISTOPHER DUERKES

Front End Web Developer

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EXPERIENCE

ANDERSON OPTIMIZATION (REMOTE, AZ)

Angular Front End Web Developer | Apr 2023 – Jan 2025

I was the front-end developer for the site analysis team at Anderson Optimization/PVcase. In this capacity, I was responsible for the development of UIs used by solar developers for siting renewable energy projects. The contents of the UIs that I worked on - in particular, the forms - were generally back-end driven, meaning that the content and structure of the forms was specified (with constraints) by back-end generated JSON schemas. I worked on both sides of this process - in Python back-end repos to build the schemas and in front-end repos to provide the components and services using Angular to render the forms.

I also worked on several other features including bulk editing in AG Grid, bulk copying features from map layers, table and map element highlighting, and a measurement/draw tool update..

BOUNTEOUS (REMOTE, NY)

Senior Web Developer | Mar 2022 – Mar 2023

Web Developer | May 2021 – Feb 2022

Contribute to the development of digital experiences for major restaurant brands using front-end web technologies (Angular, RxJS). Work has ranged from payment platform improvements to upgrading projects from Angular 8 to 15.

Handle front-end deployments using a blue-green deployment model. Have visibility into AWS for development and debugging.

Highlights:

Built a round up for charities option during checkout, which included the ability to persist selections between the bag and checkout pages, to react to basket changes (e.g., tips), and for the feature to be toggled from the CMS. Designed an approach to creating and using bottom sheets - comparable to the way we use ng-bootstrap modals - that allows components to be presented as bottom sheets, while being positioned as sibling elements to the main content of the site for ADA purposes.

Express checkout flow allowing Apple Pay users to enter little or no contact information while checking out. Combines user provided details with Apple Pay transaction data to dynamically update the payment session request and checkout form validation rules.

Upgrade from Angular 8 to 10, then 10 to 15, requiring significant library migrations and refactoring and resulting in a reduction in project bundle sizes by more than 28%.

MILLENNIUM SYSTEMS INTERNATIONAL (PARSIPPANY, NJ)

Applications Developer | May 2019 – April 2021

As a member of the Creative UI team, my work ranged from creating responsive layouts using HTML and CSS to developing new features using modern web technologies and best practices.

THORLABS (NEWTON, NJ)

SKILLS

Languages JavaScript, TypeScript, HTML, CSS

Libraries/Frameworks Angular, RxJS, NGRX

Version Control Git/GitHub

CSS Preprocessor SASS

CSS Naming Convention BEM

EDUCATION

Full-Stack Web Development
Firehose Project

MSc., Soil and Water Science
University of Florida

BSc., Environmental Biology
Columbia University

Junior Web Developer | Jan 2018 – May 2019

Developed and maintained the e-commerce website and other web-based tools (UI and database admin) for an optical equipment manufacturer using JavaScript/jQuery, HTML, CSS, ColdFusion, and SQL (very limited). E.g, web markup, DOM manipulation, AJAX (vanilla JS, jQuery), custom form validation and prototyping (Balsamiq, proto.io).