CHRISTOPHER DUERKES

Front End Web Developer

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EXPERIENCE

SIKORSKY/LOCKHEED MARTIN (VIA SEQ TECHNOLOGY) (REMOTE, AZ)
Angular Developer | May 2025 – Present

Support web application for viewing and interacting with S1000D-conforming technical publications using Angular 19, NGRX and XML/XSLT. Create scalable and lean forms and components that primarily communicate with a central store, using NGRX, to support a variety of tasks (e.g., dynamic smart table functionality driven by XML source files).

ANDERSON OPTIMIZATION (REMOTE, AZ)
Angular Front End Web Developer | Apr 2023 – Jan 2025

As the front-end developer for the site analysis team, 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 mostly specified 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 and Material) 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

Contributed to the development of digital experiences for major restaurant brands using front-end web technologies (Angular, RxJS). The work ranged from payment platform improvements to Angular project upgrades and performance optimizations on ordering sites receiving more than 40 million guests annually, while also maintaining WCAG AA conformance for accessibility.

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.

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

Upgrade from Angular 8 to 10, then 10 to 15, requiring significant library migrations, refactoring and performance optimizations (standalone components, lazy loading, source map explorer) 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 in Angular using modern web technologies and best practices.

For example, I created a tab list component using content projection and contributed to the development of a theme service using TypeScript and CSS custom properties.

THORLABS (NEWTON, NJ)

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).