DUSTIN DOWELL

Frontend Engineer

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EXPERIENCE

LEAD FRONTEND ENGINEER

Alqen - Des Moines, Iowa

June 2021 - Present

- Maintained an existing Vue 2 application fixing bugs and adding features.

- Designed and implimented a completely new Vue 3 application that wraps the pieces of the legacy dashboard as part of an incremental adoption strategy.

- Ported legacy Vue 2 code to the new Vue 3 application.

- Implimented onboarding and payment flows for new users and subscriptions.

- Wrote a SSE (Server Sent Events) server in Node that receives miscellaneous events from our API service and forwared them to the frontend.

- Created a user impersonation system using JWTs for administrators.

- Took a leadership role and helped the team with strategizing and organizing our application at all levels.

FRONTEND DEVELOPER AND DESIGNER

Self-employed - Des Moines, Iowa

November 2019 - June 2021

- Learning and creating new apps, libraries, and frameworks.

- Various freelance development and design.

SENIOR SOFTWARE DEVELOPER

Access Publishing Inc. - Johnston, Iowa

February 2016 - November 2019

- Designed unique aesthetic mobile-first web apps.

- Implemented a variety of responsive web apps from the ground up for aggregating and leasing/financing semi-trucks, semi-trailers, and heavy machinery.

- Worked on Node.js microservices to automate data uploads of hundreds of thousands of site listings and images daily from each client's unique data structures.

- Heavily optimized web apps for SEO, mobile devices, and slow 3g connections, using micro-frameworks and a custom static rendering solution.

- Designed and implemented inventory management and leasing/financing dashboards for large semi-truck and heavy machinery dealerships and lessors.

- Worked with many frameworks and platforms like Vue.js, Hyperapp, Angular, Node.js, Express, Koa, Micro, Netlify, Heroku, AWS, and MongoDB.

- Managed targeted social media marketing campaigns across popular platforms.

- Implemented fine-grained conversion tracking with Google Analytics event system.

- Implemented an email notification system using Sparkpost.

FRONTEND DEVELOPER AND DESIGNER

Self-employed - Indianola, Iowa
August 2014 - February 2016

- Various freelance design.

FRONTEND DEVELOPER

SevenVerbs - Urbandale, Iowa
April - August 2014

- Converted existing static web designs into WordPress, Drupal, Sitefinity, and Joomla.

- Designed and developed original websites, business cards, logos, infographics, and other printed and digital documents.

- Added features, tweaked designs, and updated content on existing apps.

TECHNICAL

LANGUAGES & FRAMEWORKS

- Extensive knowledge of JavaScript and JS frameworks like Vue, React, Hyperapp, and Mithril as well as their ecosystems.

- Experience with Node.js and some of it's popular frameworks like Express, Koa, Micro.

- Experience using platforms like Netlify, Vercel, Heroku, Serverless, Hasura, Supabase, and many more.

- Lots of recent experience writing file servers and SSE servers using Deno!

- Some experience using TypeScript.

- Hello world's completed in Ruby, Python, Elm, and Rust.

- Tons of experience with CSS and CSS preprocessors.

CREATIVE SOFTWARE

- Experienced with all kinds of creative software like Blender, Autodesk 3ds Max, Photoshop, Illustrator, After Effects, Procreate, ArtStudio Pro, Medibang, and more.

CONTENT MANAGEMENT

- Lots of experience with database as a service systems like Hasura, MongoDB, Supabase, and some experience with Firebase.

- Experience with all the classic systems like WordPress, Drupal, Sitefinity, and Joomla.

- Some experience with less popular miscellaneous systems like Netlify CMS, Grav CMS, Pico, Kirby, and Craft.

DESIGN

WEB DESIGN

- Deep understanding of how to design responsive and adaptive mobile-first web apps.

- Knowledge of how to create and organize UI kits and implement style guidelines.

- Love for minimal CSS.

GRAPHIC DESIGN

- Great sense of design and acute attention to detail.

- Lots of experience designing for both print and digital.

EDUCATION

ASSOCIATE OF ARTS AND SCIENCES

2012 - 2014

DMACC Ankeny Campus

- Graphic Design with Web Emphasis

HIGH SCHOOL DIPLOMA

2008 - 2012

Southeast Warren Jr. / Sr. High School