



SEAN MCQUAY

UX DEVELOPER

PROFILE

I'm passionate about all things data! I love the idea of driving swift and accurate decisions through data. Spend a few hours around me and you'll hear me over-using my favorite phrase, "quantifiably justifiable" or asking someone to back their hypothesis with data. Letting data speak has become critical in my life - from ensuring intuitive user experiences to bolstering business objectives and conversion goals.



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PROFESSIONAL SKILLS

What makes me valuable isn't the languages I know or the tools I use, but my attention to details that matter. I am continuously learning to develop an elegant solution with which to provide users a coherent, information-rich experience - ensuring a pleasant-to-navigate application serving to bolster conversion rates and retain current user bases.

LANGUAGES

English
Spanish
Finnish
Russian

EDUCATION

Missouri University of Science and Technology: 2008 - 2014
Electrical Engineering, B.S.
Spanish Language, Minor

Universidad Politécnica de Madrid: 2011 - 2012
Electrical Engineering, ERASMUS

EXPERIENCE

Securus Technologies: December 2016 - Current
UX Developer II

I'm currently delivering value as a UX Developer within a small team of like-minded individuals driving the organization through quantifiable value derived from well-designed and developed applications. My involvement in the design and development of features begins at their conception - working with business analysts and marketing specialists to understand the business needs and ensure user personas are accurately predicted and well catered towards throughout the design process. I generate user flows, wireframes, and mockups in Axure and the Adobe CC suite and in turn, translate approved mockups into functioning prototypes demonstrating page functionality and micro-interactions.

Once approved, I then roll this code into our CMS, Liferay and apply an MVC framework (I work mainly with Spring for legacy applications and have a little experience with Angular 1.5) and proceed to connect middleware services. I use the highly-semantic tag structure of HTML5 to ensure quality page indexing and targeted SEO. I leverage Google Analytics along with internally-logged data to quantify my efforts and drive future design. Styling comes from SCSS precompiled to CSS3 and page control and interactions are driven by JavaScript ES6 transcompiled to ES5 with Babel for legacy support. I typically extend JS with jQuery. Build tasks such as minification, compression, linting and general code testing are automated through Grunt, with some newer products making the switch to Gulp. I work with Bootstrap V2 in legacy applications and deploy new responsive features with the aid of Bootstrap V3. Depending on product, version control is handled via Git or SVN, with Git constituting the majority.

Luminant Energy: June 2014 - October 2016
Front-End Developer / Data Analyst

In this exciting role, I led design and development efforts for the creation of an entirely new website for our business unit, focused on marketing our new monitoring services to potential clients. The end deliverable was an ADA-compliant, fully responsive website leveraging Bootstrap V3, with a framework generated from HTML5 and SCSS precompiled to CSS3. JavaScript handled all interaction aspects and was extended by jQuery. During development of this website, I focused strongly on highly-semantic markup tags and a well-structured page layout to aid in page indexing and solid SEO. I handled code linting, testing, and build tasks through Grunt. While developing this website, I also provided support and generated content for our legacy WordPress website. Version control was handled through Git.

Prior to transitioning into this role, I focused my efforts on statistical modeling and predictive analytics with the help of Ruby, VBA, and R for data cleansing and model population which I subsequently fed into several machine learning tools. Derived findings were then combined with my engineering experience to provide a comprehensible context. I then directly presented this "actionable intelligence" to Luminant's internal stakeholders.

ACCOMPLISHMENTS

Professional Scrum Master - Level I
ISO III - Vibration Analysis
Precision Machine Balancing
Beta Sigma Psi - Lutheran Fraternity
FIRST Robotics - Team Mentor