

Josh Campbell

campbelj@gmail.com

Software Developer

<http://joshcampbell.github.io>

I'm a generalist software developer who has mostly worked on database-driven web applications. I've seen the benefits of comprehensive automated testing firsthand, and I have experience keeping projects from going off the rails. I'm open to all kinds of work similar to what I've done so far, and I would love to work with a team of smart, motivated people on interesting problems.

Front End

- I combine intimate knowledge of HTML, CSS, Vanilla Javascript, and React with a good eye for design. I've successfully delivered front-end work requiring improvisation from incomplete compositions and extrapolation from existing look-and-feel.
- I'm comfortable working with React, factoring functionality into clean, tested components.
- I've debugged complex behavior while working with browser automation for integration testing and web scraping.

Back End

- I've done a lot of feature development on web applications with the assumption of solid unit and integration testing practices. I'm comfortable digging into the code of dependencies in order to verify behavior and track down bugs.
- I'm extremely comfortable working on the command line, as well as working with hosting services like AWS and Heroku.
- I've worked on web applications written in Ruby, Python, PHP, and Java. In terms of frameworks, I am most familiar with Rails and Flask. I've worked with a variety of databases including Postgres, Redis, and Elasticsearch.

Project Management

- While I've worked almost exclusively as an individual contributor, project managers have relied on me for my technical expertise and clear, direct communication style. I have been attached to projects as a dedicated code reviewer. I have a good sense of my own productivity and can generally spot potential pitfalls in advance while giving accurate estimates. I am quick to sound the alarm and bring in other resources when I start to encounter unforeseen obstacles.
- I do my best to develop a holistic understanding of products and code-bases. I've been praised for my ability to discover and prevent potential problems before they have a chance to adversely affect the company.

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Senior Developer, Gemini Development, 8/2016 - 7/2017

- While the company was a three-person software consultancy, I developed features for a Rails application and implemented various one-off improvements on different storefronts and blogs. I learned how to operate as a remote developer with very little outside support.
- I built an AWS lambda microservice for a one-time, high volume event registration.
- I created and refined a system for creating email marketing templates that the client still uses today.

Senior Developer, Gemini d.b.a Engine Ecommerce, 7/2017 - Present

- When the company began to transition into a VC-backed startup, I was tasked with singlehandedly implementing a complete front-end for an online store in a fork of the open source Solidus platform that made use of the liquid template language. This required familiarizing myself with the solidus data model while extracting view logic from its default theme into a sandboxed abstraction layer, in addition to the HTML, CSS, and Javascript work necessary to build the theme itself.
- I developed many features up and down the project's stack, including integration with payment processors and other third-party services.
- I performed systems administration tasks on clients' stores, hosted on Heroku.
- I wrote two complete front-ends when all was said and done, the first an adaptation of a licensed theme written to drive a demo of an online store for a board of potential investors, and the second a base theme intended for later developers to modify, written from scratch on top of Bootstrap with the assistance of a full-time designer.
- I served as a resource for other developers coming onto the project, explaining the inner workings of the platform, as well as helping to track down bugs and resolve data issues.
- On two occasions, I was brought in to overhaul themes that other developers had not been able to accomplish in a way that satisfied client expectations from a perspective of user interface design and fidelity to designers' compositions. I led a small team on one project and implemented the other myself.

Senior Developer, Social Solutions, 11/2014 - 4/2016

- In a department comprised of developers with nontraditional backgrounds, I advocated best practices, researched and demoed new technologies, and built new product features in a legacy codebase written in Javascript and PHP5.
- Overhauled a previous JUnit-based attempt to write automated tests, resulting in a Java API for interacting with the CRM, allowing for quick, high-level development of new test cases in Groovy and rapid prototyping using an interactive Groovy console.
- Reverse-engineered the client's web and database servers to create an Ansible playbook, which I used to build and manage production servers in AWS, as well as dev and staging environments running on the company hardware.

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Developer, Acumen Brands, 2/2013 – 10/2014

- Participated in a departmental culture oriented toward learning and professional growth, involving peer code reviews, regular pair programming, and a book club. Gave talks over lunch about programming and design-related books.
- Implemented automated tests (implementation and unit) over a complex legacy storefront application built using Ruby on Rails.
- Created and maintained a mock browser environment for running Jasmine unit tests in Node.
- Helped design and implement a user behavior analytics system that dramatically increased the conversion rates of email campaigns.
- Overhauled the catalog navigation system of a high-traffic, consumer-facing store, notably increasing conversion by making products easier to discover.

Developer, Various, 6/2008 – 2/2013

- Worked for Deloitte, Xtiva, Onelogos, and Harvest Investment Strategies.
- Maintained and eventually replaced an in-house application for monitoring the stock market.
- Worked on a web application for consumer credit analysis, establishing automated tests and resolving rendering problems and browser compatibility issues prior to launch.
- Created custom UI and database components for Liferay Portal implementations, using Java EE / Spring / JSP.
- Created SQL databases in SAP for clients in the aerospace manufacturing industry.
- Created web interfaces (forms and reports) with ABAP back ends. (ABAP is SAP's proprietary language, similar to PL/SQL and TSQL.)
- Wrote a free and open source Wikipedia analytics application using Backbone.js.

Education

- University of Tulsa: B.S. in Information Systems, 2004-2008
- Focused on Computer Science, Project Management, and Digital Forensics.