SENIOR FULL-STACK SOFTWARE ENGINEER · OPEN SOURCE CONTRIBUTOR

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Experience ___

CareerBuilder, LLC Remote (Atlanta, GA)

ENGINEERING LEAD

Sep. 2015 - Present

- Formed and led remote team that created a new, open source CMS (github.com/cortex-cms) designed to be configurable, extensible, multitenant, modular and plugins-based, while still being backed by modern technologies such as Rails, React, Sass, GraphQL, ElasticSearch, Redis and PostgreSQL's JSONB functionality.
- Architected and built foundational features, extensively detailing **implementation plans & proposals via Github Issues** and hosting review & feedback sessions with team, helping to avoid costly mistakes further down the road.
- Flexible **content distribution** model allowed CareerBuilder to **spin down many disparate Wordpress/Drupal installations, saving money** by reducing reliance on expensive consultants and **boosting SEO** performance by deduplicating content.
- Mentored team of engineers, organizing weekly 1-on-1s, reviewing all pull requests, leading learning workshops, providing constructive feedback and goals, planning and pitching team headcount, encouraging developer-contributed architecture proposals and directing all Scrum meetings.
- Built nested, multi-channel/tenant SaaS infrastructure to serve diverse needs across the company, bringing all content and marketing teams under a single, unified platform that enabled content and configuration sharing with an advanced inheritance model.
- Created content **recommendation & relevancy** infrastructure, piping in-demand articles to job seekers through job listings and industry insight resources, solidifying CareerBuilder as a recruitment authority and increasing user base and **decreasing bounce rate.**
- Designed a Drupal-like *Content Model* system, which allows superadministrators, on the fly, to "lego" together and customize various Plugin-provided *Fields*, which can define validation, React, ElasticSearch and GraphQL behavior that can be further customized, per-*Content Model*, by a superadministrator. Allows platform to support incredibly flexible use cases.
- Created Shrine-backed plugin providing full-featured Digital Asset Management, allowing for dynamic post-processing rules, Cloud Storage & CDN support.
- Using dry-rb, formulated Service/Transaction Layer built around **functional, "Railway-Oriented Programming"** concepts in order to orchestrate higher-level business logic across resources and services, **simplifying unit testing and error handling.**
- Led **user testing** workshops, developing publishing & scheduling system, on-the-fly configurable roles & permissions, workflows and dynamic admin UI architecture in concert with content creators' feedback.
- Built Plugin-provided **Wordpress-like WYSIWYG** editor **"Widget"** system, allowing for **referential integrity** for versioned assets, highly configurable attributes for rich content, and complex **embedded** components such as **media galleries** and video players.
- Authored Content relation system, allowing for complex & configurable semantic links (i.e. among Articles and Media) between disparate Content Models.
- Harnessed Docker Compose to create a build process that transformed provisioning, environment setup and deployment into a
 turnkey process, radically simplifying onboarding and continuous integration/deployment steps. This also resulted in normalized environments across machines, reducing errors and hardening our testing process.
- Built advanced testing harness, allowing for core engine and plugins to be tested independently and easily via CircleCI.
- Created and authored extensive documentation portal (docs.cortexcms.org) for internal and external use.
- Led initiative and produced business plan to open source CMS and associated tools, fostering community involvement and long-term maintenance of in-house platform.
- Created hiring.careerbuilder.com, CareerBuilder's employer marketing platform, built with Rails, React, Sass, Redis and Docker on top of Cortex CMS. This new application right-sized our revenue, migrated purchases and subscriptions to a brand-new self-service platform, and massively boosted SEO to first-page, top-five performance.
- Designed and implemented composable & configurable React- and Cortex-based widget system, **allowing frontend team** to piece together new, **rich product pages in hours** rather than days or weeks.
- Authored numerous, complex React components to **drive user conversion** during discovery & purchase process.
- Created and architected on-brand, responsive, lightweight Sass styling foundation (similar to Bootstrap) built with Bourbon and Neat for marketing application and for use across entire company.
- Wrote comprehensive suite of unit & integration tests using RSpec, Capybara, Jasmine, Jest & Enzyme, ensuring platform stability.
- Utilized numerous tools (i.e. New Relic, Sentry, fragment/action/data caching, etc) to measure, scale and **improve site & SEO performance**, writing numerous user stories and defect cards to address issues and technical debt.
- Built Employer Resource Center platform atop Cortex CMS, allowing **relevant marketing content** to be piped into the employer experience during the discovery & purchase process.
- Took over existing Shopping Cart Platform team, overseeing resolution of performance, purchase and maintenance issues.
- Created architecture and plan for migration for brownfield Shopping Cart from .NET to Rails/React, working closely with leadership to develop next-generation purchasing platform for CareerBuilder.

Past Experience

 ${\tt CAREERBUILDER, LLC} \ ({\rm See \ Linked In})$

Software Engineer II, Jul. 2013 - Sep. 2015 **Software Engineer I**, Aug. 2011 - Jul. 2013 Atlanta, Georgia Atlanta, Georgia

SOFT SOLUTIONS, INC (See LinkedIn)

Software Developer, Jan. 2009 - Aug. 2011

Atlanta, Georgia