## 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 helped stabilize our revenue, migrated purchases and subscriptions to a brandnew 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