

MICHAEL MILLER

SENIOR SOFTWARE ENGINEER

DETAILS

ADDRESS

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PROFILE

Experienced Software Engineer adept at bringing expertise in design, installation, testing and maintenance of software systems. I believe that effective software engineering is accomplished through well-maintained documentation to support the development of systems, constantly surveying external tools to support efficient development, and encouraging cross-pollination of industry knowledge to strengthen an organization's talent.

EMPLOYMENT HISTORY

Software Engineer Consultant, Dialectic

Kansas City, MO

Sep 2023

- Finished internal project management system connected to VantagePoint built on Laravel, Vue, and Postgres SQL
- Installed a documentation system and began documenting system development and workflow
- Provided insights to the director of IT for industry standards and what could be improved
- Introduced Grafana for better visibility into the company's successes and shortcomings

Software Engineer III, SpotX/Magnite

Broomfield, CO

Feb 2020 — Jan 2023

- Drove the development of features to enhance customers' campaign targeting rules
- Ensured continued progress on features during company reorg and acquisition
- Tackled high priority software issues, triaging to appropriate teams when necessary
- Participated in design and infrastructure planning meetings
- Troubleshoot release-process issues in Jenkins and Openshift
- Provided support to other teams for UI and API tools when needed
- Conducted code reviews to ensure conformity to SOLID principles and sound design decisions
- Contributed to product migration from PHP to C++
- Added metrics to better analyze and address weaknesses in our overall system

Web Developer Consultant, Colorado Department of Education

Denver, CO

Mar 2018 — Apr 2019

- Collaborated on an application used to manage Colorado school district funding
- Created a micro framework I named "Antiquated PHP Framework" (APF) patterned after Laravel to standardize and add efficiency to the office's web development process
- Leveraged APF to build a web tool districts could use to apply for construction grants
- Utilized Docker to provision a consistent development environment for all developers in the office

Software Engineer, By the Pixel

Denver, CO

May 2016 — May 2017

- Built a price estimation application on Angular2 backed by a Laravel API for DenverDovetail.com
- Maintained, developed features, and wrote tests for IDEXX's Petly Plans application
- Contributed to Ruby on Rails apps such as UrgentCareLocations.com and DomesticShelters.org
- Standardized deploy process across all applications

Lead Software Engineer and Co-Founder, PVBid

Denver, CO

Dec 2013 — May 2016

- Created a bidding system to improve the efficiency and accuracy of PV system installation costs
- Designed and deployed a REST/SOAP API backed by PHP and MySQL
- Built proof-of-concept used for fund-raising and investor pitches
- Worked with customers to set priorities, expectations, and deadlines
- Managed a team of consultants to expedite feature development
- Partitioned workload to hand off to contractors and tracked project development status
- Reported application development status to CEO
- Leveraged AWS infrastructure to deploy multiple environments using EC2 and Route 53
- Wrote requirements document for Sunshot incubator development
- Created Jenkins build job to facilitate graceful product deployment
- Maintained CentOS system backups and security updates

Software Engineer, Return Path

Broomfield, CO

Aug 2013 — May 2014

- Collaborated with design team to make user experience more intuitive for email feedback loop and global trap exchange tool suites
- Implemented Angular widgets throughout our product suites as part of a company-wide push to standardize front-end development
- Wrote a Git extension in Go for Gerrit interactions to expand web interactions to the command line; we called it Grt
- Modified our Kafka consumer to deliver a wider set of email trap data to approved customers

Web Developer Consultant, ProKarma

Denver, CO

Dec 2012 — Dec 2013

- Guided company to adopt traditional software development life-cycle best practices and tools
- Developed customized, JavaScript-driven applications for managing stock in warehouses
- Wrapped client's antiquated, proprietary software with more robust, updated PHP tool set

Web Developer, Novus Biologicals

Littleton, CO

Apr 2011 — Dec 2012

- Maintained and developed modules for Drupal 6 web store running Ubercart
- Streamlined website development by migrating to Acquia's Drupal hosting service
- Implemented necessary changes to make website PCI compliant
- Integrated Solr search functionality, dramatically cutting search response time
- Decreased page load times over 3000% by adopting industry best practices
- Maintained database holding availability and pricing for over 250,000 products