

MICHAEL J. MILLER

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SKILLS

- Linux has been my primary operating system since 2004
- Familiar with Linux, all versions of Windows prior to 10, and Mac OS X
- Experience with languages such as Java, PHP, JavaScript/AJAX, Perl, Go, Python, Ruby, C#
- Code management experience with Subversion and Git
- Developed and used RESTful APIs
- Worked using agile methodology and continuous integration
- Passion for technology and solving a wide range of application and infrastructure problems

PROFESSIONAL EXPERIENCE

Software Engineer, Colorado Department of Education

Denver, Colorado | 2018 - Present

- Collaborated on “Consolidated 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

Software Developer Consultant, By the Pixel

Denver, Colorado | 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 Cofounder, PVBid, Inc.

Denver, Colorado | 2014 - 2016

- Established technologies to best fit requirements of the product
- Configured LAMP stack for hosting product
- Created proof-of-concept for fund raising and investor pitches
- Hired and guided Toptal consultants for expedited feature work
- Wrote requirements document for Sunshot incubator development
- Developed application on Codelgniter-based API, AngularJS, and R language

Software Engineer, Return Path, Inc.

Broomfield, Colorado | 2013 - 2014

- Improved user experience in feedback loop and global trap exchange tool suite
- Implemented AngularJS throughout our products as part of a company-wide standardization
- Created a mock data feed for our Outbound Abuse Manager product for testing
- Modified our Kafka consumer to deliver a wider set of trap data to subscribing customers

Web Developer Consultant, ProKarma

Broomfield, Colorado | 2012 - 2013

- Guided company to adopt traditional software development best practices such as using git as a code management system, using Drupal 6 as a website framework, and implementing sudo so they could control root access to servers
- Developed customized, JavaScript-driven applications for managing stock in warehouses
- Abstracted away antiquated system interface by producing reusable PHP and Perl widgets to create similar web interfaces for new customers

Drupal Developer, Novus Biologicals

Littleton, Colorado | 2011 - 2012

- Maintained and developed modules for Drupal web store
- Streamlined website development by migrating to Acquia's Drupal hosting service
- Implemented necessary changes to make website PCI compliant
- Tripled search speeds by integrating Solr search functionality
- Decreased page load times by over 3000% using a content delivery network
- Developed synchronization process from internal MS software to LAMP website
- Administered database holding availability and pricing for over 250,000 products

Web Developer Consultant, Zenuity

Phoenix, Arizona | 2009 - 2011

- Automated contract generation process saving five to ten minutes per contract
- Established best practices for development and releasing of client websites
- Developed a system to automate client information assignment to DNS aliases
- Automated Drupal website deployment by using sed, perl, php, and mysql

Data Center Technician, Google

The Dalles, Oregon | 2008 - 2009

- Monitored, diagnosed, repaired, and upgraded over 16,000 servers' hardware
- Increased overall server diagnosis accuracy by instructing weekly Linux classes

Network Administrator, United States Air Force

Fussa, Japan | 2001 - 2003

- Troubleshoot DNS, DHCP, WINS, and domain controller outages
- Performed a Windows NT to Windows 2000 base-wide migration
- Monitored network stability and performance
- Managed network administration staff

Certification Authority, United States Air Force

Grand Forks, North Dakota | 1998 - 2000

- Tracked all classified material until assigned to designated units
- Created private keys for all units receiving classified e-mail
- Delivered the public keys to the Exchange administrators for posting

EDUCATION

Bachelor of Science, Computer Science

Oregon State University (Corvallis, Oregon) | 2003 - 2008

- Graduated with a 3.0 GPA
- Senior Capstone - Developed a web-based visual web development toolkit using a LAMP infrastructure