

Michael Miller, Senior Software Engineer
Overland Park, KS, 541-619-5397, michaeljmiller79@gmail.com

Profile:

Seasoned Senior Software Engineer with 15+ years of experience designing, developing, and optimizing robust software solutions. Expertise in leading teams, implementing modern frameworks, and driving innovation across industries. Proficient in PHP, Python, C++, TypeScript, and cloud-based deployments with a strong commitment to automated testing, industry best practices, and cross-functional collaboration.

Employment History:

Dialectic Engineering

Senior Software Engineer

Sep 2023 – Sep 2024

- Promoted for expertise in designing scalable software architectures.
- Enhanced an internal PHP/Laravel project management system, boosting efficiency.
- Built Revit extensions in Python, streamlining engineering workflows.
- Developed a proof-of-concept for a next-gen suite using Angular/TypeScript and Laravel.
- Introduced Grafana dashboards for actionable insights into company metrics.

SpotX/Magnite

Software Engineer III

Feb 2020 – Jan 2023

- Designed Angular/TypeScript features, improving campaign targeting rules.
- Migrated auction technology from PHP to C++ for enhanced performance and scalability.
- Integrated Prometheus metrics to diagnose and resolve system bottlenecks.
- Led code reviews and ensured adherence to SOLID principles.

Franklin Energy

Senior Software Engineer

Apr 2019 – Feb 2020

- Built a PHP API and Angular/TypeScript frontend for energy usage data.
- Engineered a data ingestion tool in Golang to process and secure client data using AWS S3.
- Mentored junior developers across the software lifecycle.

Colorado Department of Education

Web Developer (Contract)

Mar 2018 – Apr 2019

- Designed the "Antiquated PHP Framework" (APF) inspired by Laravel, standardizing web workflows.
- Built a web tool for school districts to apply for grants, improving application accuracy.
- Deployed Docker for streamlined, consistent development environments.

By the Pixel

Software Engineering Consultant

May 2016 – May 2017

- Created a price estimation tool for DenverDovetail.com using Angular2 and Laravel.
- Enhanced IDEXX's Petly Plans application with new features and automated tests.
- Optimized Ruby on Rails applications such as UrgentCareLocations.com.

PVBid, Inc.

Lead Software Engineer and Co-Founder

Dec 2013 – May 2016

- Led development of a bidding system improving PV system cost estimates.
- Authored a REST/SOAP API using PHP and MySQL, supporting critical functionalities.
- Designed a proof-of-concept showcased to investors, securing funding.
- Deployed scalable environments on AWS and automated deployments with Jenkins.

Extended History

- Return Path, Software Engineer Aug 2013 – May 2014
- ProKarma, Web Developer Consultant Dec 2012 – Dec 2013
- Novus Biologicals, Web Developer Apr 2011 – Dec 2012
- Zenuity, Web Developer Aug 2009 – Mar 2011
- Google, Data Center Technician Level 1 Jun 2008 – Mar 2009

Education:Oregon State University, Bachelor's Degree

Skills:

PHP
Python
C++
TypeScript

Laravel
HTML/CSS/JavaScript
Docker
Git