STEVE PILO
DevOps Engineer

About Me

I'm a former full-stack developer who has transitioned to the infrastructure side. I specialize in automation, scalability and integrating disparate systems. When I'm not in a server closet, I love to travel & dabble in extensive home renovation. I'm a sucker for comedy and a good defensive football game.

Things I Know Best

Programming Languages: PHP, NodeJS, Bash, TypeScript, Python
Automation: Ansible, Github Actions
Containerization & Deployment: Kubernetes, Docker, Harness.io
Secrets Management: Hashicorp Vault
Systems Administration: CentOS 7 & 8, Oracle Linux, AWS, VMware, Windows, MacOS

Education

Rochester Institute of Technology - Rochester, NY   September, 2004 – February, 2009
Bachelor of Science in Information Technology with concentrations in web application development and information security.

Experience

Covenant Eyes Inc – DevOps Engineer IV   May, 2021 – Present
I built an automation platform, written in TypeScript and Bash, that simplifies the building and configuration of virtual machines through a Slack command interface. I pioneered Covenant Eyes' adoption of Hashicorp Vault and helped architect and implement our Kubernetes clusters. I completed a full rewrite of our entire Ansible footprint from version 2.x to 5.x. To support our security team, I wrote Bash scripts to automate the Docker commands needed for scanning our container images for vulnerabilities on a continuous basis and kept our AWS presence as secure as possible.

Covenant Eyes Inc – Web Developer III   July, 2017 – May, 2021
I was responsible for the architecture, development and maintenance of several enterprise web applications and microservices, written using TypeScript, Express.js and Vue.js, that support both Covenant Eyes' customers as well as internal staff. I wrote web applications that store uploaded files in AWS S3, interfaced with Jira and Mitel APIs, and optimized SQL queries for scale in a high-traffic MariaDB environment. I was also tasked with onboarding new developers and reviewing their code to ensure the quality of their work.

Wilson Logistics – Web Application Developer   December, 2016 – June, 2017
I captured drone footage, designed and developed custom responsive websites using PHP and SASS for Jim Palmer Trucking, Wil-Trans & Wilson Logistics. I also built a custom application that interfaced with the FMCSA data API and devised a method that allowed mapping a driver application's source all the way through the hiring process.

Track 5 Media LLC (now TrackFive) – Lead Web Application Developer   January, 2014 – March, 2017
I designed and built a custom PHP-based job board framework that powers AllTruckJobs.com, TravelNurseSource.com, AlliedTravelCareers.com and AllPhysicianJobs.com. I also architected and maintained a high-traffic load balanced server environment. I was responsible for mentoring and managing a team of 3 developers, working closely with our project manager to ensure new features and bug fixes were implemented as efficiently as possible. In December 2016, I transitioned to working as a freelancer until March 2017.

Marriner Marketing Communications Inc – Senior Web Developer   March, 2009 to January, 2014
I developed and maintained websites & web-based applications for clients primarily in the foodservice industry using a variety of technologies. I built custom themes and plugins for Wordpress sites as well as custom PHP, ASP VB and ASP.NET C# sites. I architected the hosting environments used to serve client sites and apps, as well as spec'd and installed the hardware used in our new internal datacenter when they moved to a new office location.

Work Samples

A small collection of my work as a developer is available at https://steve.opilo.net. I can also be found on Github at https://github.com/IridescentShadow.