Jonathan Strickland

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Skills

Languages

- 10+ years using Haskell, Python, Bash/Shell
- 7+ years of professional experience using Ansible, very comfortable with associated tooling (Ansible Tower, AWX)
- 5+ years of professional experience using Terraform (since 2017, pre-0.12)
- Very familiar with Rust, Javascript, Racket, Java, C, Clojure, Common Lisp, Ruby
- ~72 owned repositories at https://github.com/djanatyn; https://gist.github.com/djanatyn
- nixos/nixpkgs maintainer, ~12 packages (Rust, Python, C, C++): https://repology.org/maintainer/djanatyn@gmail.com
- Proven track record of picking up new languages quickly, documenting their tradeoffs, and establishing conventions + standards for usage on a team

Software + SaaS

- 10+ years experience administering a variety of Linux distributions, including NixOS, RHEL, CentOS, CoreOS, Fedora, Debian, Arch Linux, Ubuntu
- 8+ years administering AWS infrastructure. Successfully transitioned on-prem installations to AWS across multiple organizations
- 6+ years administering Google Compute Engine infrastructure (including GKE)
- Deep personal and professional experience with git, systemd, docker, Apache, nginx, openssl/gnutls, MySQL/MariaDB, haproxy, yum

Work Experience

American Eagle Outfitters

Systems Engineer (December 2016 - January 2022)

- Built relationships with technology teams across the organization, working to understand needs, improving efficiency of code lifecycle and promotion pipeline
- Installed, patched, maintained, and upgraded diverse infrastructure including Atlassian Bamboo, Bitbucket, Concourse CI, JIRA, JFrog Artifactory, Pivotal CloudFoundry, F5 BIG-IP LTM
- Developed and maintained continuous integration pipelines for applications and provisioned infrastructure, empowering teams to create pull requests to apply changes, using Python, Bash, Rust, Haskell
- Worked in multidisciplinary team for initial deployment of eCommerce API Gateway, solving performance and reliability problems along the way
- Used Terraform to provision cloud environments, developing modules for different components of American Eagle infrastructure on AWS, GCP, GKE
- First responder for on-call rotation, addressing production AE.com issues, failures in build + deployment automation

- Used Terraform + Bamboo to create self-service "ephemeral environments" - when any UI developer opens a pull request, a new environment is launched, the new code is deployed, a DNS record is set up, the developer is sent a link to the live environment on their pull request to validate
- Received many awards and nominations from peers and managers, including 2019 Eagles Elite "in recognition of your determination to go above and beyond at AEO and exemplifying innovation and teamwork"

Industry Weapon

Contractor (December 2015 - June 2016)

- Evangelized greater use of version control, unit tests, documentation among my teams, resulting in a self-hosted gogs (go git service) instance (eventually was used by all development teams)
- Developed and shipped many custom software integrations for our digital signage platform using modern development practices to meet customer needs, regularly automating time-consuming parts of the development process
- Used Flask to develop secure, RESTful APIs with token-based authentication to serve as a backend for web applications
- Automated deployment process for Python applications using single executable with dependencies and application code self-contained inside
- Identified, documented, began discussions about RCE vulnerabilities in core parts of our codebase
- Worked with other developers to fix bugs in a decade old PHP web application using Bugzilla

Cytobank

System Administrator (January 2014 - August 2015)

- Used Puppet and Ruby scripting extensively to automate configuration of dev and prod servers
- Participated in regular on-call rotations, responded to production outages
- Worked on a team of 3 to facilitate migration of customers from physical OpenVZ hosting provider to AWS, organizing downtime, executing migration for most hosts
- Educated rest of team on infrastructure through meetings, recorded videos, thorough documentation

Carnegie Mellon University

Intern (Pittsburgh Supercomputing Center) (Summer 2013)

- Installed, configured, documented tools to run on the Galaxy bioinformatics web platform
- Profiled Trinity RNA-Seq assembler on high performance supercomputers using Perl
- Presented research from profiling at two conferences, GLBIO 2013 + Duquesne Summer Undergraduate Research Symposium
- Assisted with Python classes during summer bioinformatics workshop for minorities (PSC MARC Workshop 2013)

Google Code-In 2012

Participant (Summer 2012)

- Wrote tests for bug reports for the perl6 interpreter
- Revamped perl6 FAQ page to match the rest of the site

(this resume built with...)

- ghc 9.0.2 (6554ff2843d53dddeb875cb145ab892725eac54c)
- nixos/nixpkgs foo
- dhall-1.39.0
- blaze-html-0.9.1.2