

Andy Freeland

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SKILLS Python, Ansible, Docker, Amazon Web Services, Terraform, Pyramid, Django, Rust, Git, Bash, pytest, GitHub Actions, Jenkins

- PROFESSIONAL EXPERIENCE**
- Staff Software Engineer** **GoodRx**
Santa Monica, California December 2015 – November 2020
- Led infrastructure and process changes to improve deployment velocity on *GoodRx Gold* and *Kroger Rx Savings Club* from weekly to multiple times per day.
 - Migrated from flaky in-place deploys with AWS CloudFormation and AWS CodeDeploy to immutable infrastructure with Terraform and Spinnaker.
 - Developed self-service creation of and deployment to production-like dev environments for all engineers.
 - Automated deploy processes to be driven by GitHub Releases and expanded deployments to all engineers even as multiple teams collaborated on the service.
 - Improved build/deploy times from 20 minutes to 5 minutes or less.
 - Primary developer of *GoodRx for Benefits* (Python/Pyramid/PostgreSQL).
 - Developed configurable backends to support integrations with different APIs and file formats for each client.
 - Automated deploys to multiple environments across a single-tenant architecture. Previously clients were updated individually, often lagging weeks behind.
 - Led Python 3 migrations of *GoodRx.com* and *GoodRx for Benefits*.
 - Automated configuration and infrastructure management on *GoodRx.com* using Ansible and Terraform, supporting more frequent deploys and creation of multiple production-like environments.
 - Developed best practices as engineering grew from fewer than 10 to more than 100 engineers.
 - Created a language-agnostic service template with Ansible and Terraform to simplify creating new services and standardize new service infrastructure.
 - Created a Python/Pyramid template to simplify creating new services and to keep them up to date with evolving standards and best practices.
 - Developed Python libraries to standardize application and error monitoring across services.
 - Led adoption of Sentry and Datadog for application, infrastructure, and error monitoring across services.
 - Introduced automated testing, linting, code reviews, and CI as the first remote member of the engineering team.

- Software Developer** **Redjack**
Silver Spring, Maryland September 2012 – November 2015
- Developed and deployed HTTP services wrapping hard-to-use and/or error-prone data sources.
 - Migrated a customer-facing web application from an untested mixture of Django templates and jQuery callbacks to an AngularJS application backed by a Django REST Framework-powered API, with unit and Selenium tests.
 - Migrated an existing mixture of shell, Puppet, and hand-configured systems to Ansible playbooks and created a repository of reusable Ansible roles and playbooks, giving us automated and repeatable deploys across many of our services.
 - Automated initial customer reports, reducing runtime by 90% and replacing hours of analyst pre/post-processing with a parametrized Jenkins job, enabling us to provide reports to more customers more often.

- EDUCATION** **Bachelor of Arts in Computer Science** **Carleton College**
Northfield, Minnesota September 2008 – June 2012