

Andrew Miller

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Git: <https://github.com/nixy>

EDUCATION

Bachelor of Science in Computer Science
The College of New Jersey, Ewing, NJ

May 2016

SKILLS

- Linux Administration, Nix/NixOS, Apt, Snap, Flatpak, Vagrant, Packer, Docker
- Ruby, Bash, Python, Javascript, POSIX SHELL, Regular Expressions
- Gitlab, Gitlab CI, Jenkins, Sentry, NewRelic, Grafana, Redis, ELK
- RabbitMQ, CouchDB, Postgres, Bosh, Cloud Foundry, Kubernetes, Terraform
- Networking, L^AT_EX, Tor, Selenium, VirtualBox,

PROFESSIONAL EXPERIENCE

Tabula Rasa Healthcare, Moorestown NJ
Cloud Engineer II

2018-Present

May 2022 - Present

- Worked with development teams to design pipelines and deployment workflows that met their specific needs
- Used terraform and other IaC tools to manage and update critical infrastructure
- Participated in on-call rotation and incident management processes
- Maintained a on-call Docker image that contained all the tools needed to interact with any of the systems the team was responsible for

Software Engineer II, Production Validation
Software Engineer, Production Validation

May 2020 - Present

Jan 2018 - May 2020

- Ensured all code pushed to production met acceptance criteria and prevented regressions
- Used a custom Ruby framework to automate end-to-end testing using Selenium and other ruby libraries to interact with non HTTP services
- Wrote automated integration tests using Ruby framework to interact with HTTP services, RabbitMQ and various databases
- Maintained custom Ruby framework and other internal tools for team consumption
- Designed and maintained teams cloud deployment process to move test runners off local computers
- Maintained teams' development environment using Vagrant and VirtualBox, wrote scripts to ensure all dependencies were setup automatically

Linode LLC, Haddonfield NJ

2016- Jan 2018

Customer Support Specialist

2016-2018

Trust & Safety Expert

2017-2018

System Administrator

2017-2018

- Provided extensive customer support for Linux based system through phone & ticket systems
- Helped shape & enforce policy for handling abuse of Linode's platform
- Maintained & monitored Linode's running systems

HOBBYIST EXPERIENCE

I maintain some personal infrastructure and provide services for my friends & family. I have been doing so since 2017. These services include:

- A Tor Exit relay to support internet freedom.
- A self-hosted Jitsi/Mumble server to provide secure voice/video communications for friends & family
- A self-hosted Matrix server that federates with other matrix servers owned by my friends