

Ryan Finnie

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<https://www.finnie.org/>
<https://github.com/rfinnie>

Highly experienced Linux stack engineer, covering the gamut from hardware through application. Offering expertise in systems engineering, software development, scale-out, open source and more.

SKILLS

- Work from home / remote collaboration
- Open source community development
- Public clouds (AWS, Azure, GCE)
- OpenStack private clouds
- Containers (Kubernetes, Docker, LXD)
- Scaling systems deployment and management (Puppet, Ansible, Juju, MAAS)
- Python, Bash, Ruby scripting
- Linux OS design and development
- CI/CD systems (GitHub Workflows, Travis, Jenkins, Gerrit)
- Monitoring/metrics (Prometheus, Nagios)
- Version control (Git, bzz)

EXPERIENCE

Canonical (Ubuntu) — Remote (Americas)

Site Reliability Engineer, IS Operations (2012 - 2020)

- Developed tools (primarily in Python) and procedures to maintain, monitor and produce metrics against Canonical's hundreds of service environments
- Worked with and supported company-internal teams and the greater Ubuntu community
- Maintained tens of thousands of concurrent instances across multiple private and public clouds, and thousands of geographically-disperse bare-metal servers
- Designed and deployed large-scale OpenStack private clouds
- Specialized in incident response and mitigation procedures, with an even greater emphasis on incident prevention
- Contributed to open source projects as part of daily work; most Canonical SRE tooling is publicly available and developed
- Worked in an all-remote worldwide department with 24x5 "follow the sun" scheduling and rotating weekend on-call, as part of an overall 90% remote company spread across the globe

Twelve Horses — Reno, NV

Network/Systems Administrator (2004 - 2011)

- Maintained network and approximately 150 Linux servers
- Built and deployed customer dedicated servers
- Wrote network monitoring, graphing and network configuration tracking tools
- Migrated operations and infrastructure to a new datacenter
- Designed server virtualization solution for consolidated server management
- Built a multiple-site IP phone network infrastructure using Asterisk

Redundant Networks — Reno, NV

Senior System Administrator (2002 - 2004)

- Developed and managed an operations network for two new datacenters
- Maintained network monitoring, ticketing, power control and backup systems
- Assisted customers with datacenter move-ins and network designs
- Maintained open source/community mirrors and development environments

PROJECTS

- Developer of Finnix, a systems-focused utility LiveCD, in production since 2000 — <https://www.finnix.org/>
- GitHub profile: <https://github.com/rfinnie> — Notable software:
 - 2ping, a bi-directional ping utility which can detect directional packet loss
 - dsari, a lightweight continuous integration (CI) platform
 - Turku, a service-oriented cloud backup system
- Debian maintainer, Ubuntu technical member
- Numerous open source contributions, including for the Linux kernel, Debian, Ubuntu and Fedora