# Rob Lemley

## *IT and Software Engineer*

Rochester, NY

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Linux systems administrator turned software engineer with 15+ years of experience optimizing infrastructure, build systems, and deployment pipelines using open-source technologies. Skilled in Linux systems administration, software development, and CI/CD automation across distributed teams. Adept at bridging IT operations and software engineering to improve reliability, streamline workflows, and deliver great solutions.

## Technical Skills

**Languages:** Python, Bash, JavaScript, PHP
**Systems:** Linux (Debian, Ubuntu, RHEL), Docker
**CI/CD:** Github Actions, GitLab CI, Taskcluster
**Monitoring:** Zabbix, Nagios
**Packaging:** RPM, DEB, MSI, MSIX
**Services:** Apache, Nginx, OpenLDAP, Samba
**Version Control:** Git (GitHub, GitLab), Mercurial, SVN

## Work Experience

**Build and Release Engineer**                                           **2018 - 2025**
**MZLA Technologies (Mozilla Thunderbird), Remote**

- Collaborated with the Thunderbird Release manager to ship multiple Thunderbird releases in a week; prepared code, handled failures in the build and release pipelines, and wrote release notes
- Developed a set of scripts and web tools to identify potential bugs to uplift to beta and release channels
- Triaged and resolved build-related issues in Bugzilla
- Worked with Firefox Build and Release Engineering teams to maintain Thunderbird support on shared infrastructure
- Identified and patched regressions in Thunderbird introduced by upstream Firefox changes
- Introduced MSI and MSIX packaging options to Thunderbird for all releases

**Linux System Administrator** 2014 - 2017
**University of Rochester, Center for Integrated Research Computing, Rochester NY**
- Part of a system administration team managing a 300+ node Linux HPC cluster
- Managed GitLab server for university research community
- Provided support for a medical research team and migrated their code repository from Subversion to GitLab
- Optimized Zabbix monitoring and wrote custom checks to collect Slurm metrics

**Senior System Administrator** 2009 - 2012
**LetsTalk.com, San Francisco CA**
- Led administration of 50+ servers ensuring PCI compliance
- Replaced aging hardware and implemented configuration management
- Optimized code deployment, reducing downtime to zero and deployment duration by 90%
- Ensured that Payment Card Industry (PCI) standards were met on required systems
- Tuned PHP Accelerator improving site load times by 300%
- Upgraded MySQL hardware with minimal downtime using replica promotion

**Linux System Administrator** 2006 - 2009
**Slide.com, San Francisco CA**
- Supported 24x7 social and gaming platform as part of on-call rotation
- Built LDAP, Samba Domain, Zimbra, Mailman, and RT services to support startup operations
- Introduced a parallel RDist deployment process, cutting deployment time in half

# Education

**Rochester Institute of Technology, Rochester NY**

**Bachelor of Science**, Information Technology
Concentrations in System Administration, Programming, & Networking

# Home Lab & Personal Projects

- Deployed Home Assistant with Frigate for security automation and real-time mobile alerts
- Built two voice assistant satellites on Raspberry Pi devices using HA Voice and OLlama for local speech processing
- Manage Docker-based web apps on Raspberry Pi using ZoraXY reverse proxy with automated TLS certificate renewal