

# Eric Gisse

---

*DevOps Engineer*

---

## Profile

Experienced DevOps Engineer with more than a decade doing both development and operations SMBs and startups.

---

## Professional Experience

2021 - Present **Elixir Engineer**, *Immersiva*, Los Angeles (Remote), USA.

- Responsible for a full greenfield product rewrite of a Node.js based prototype game engine into AWS EC2 hosted Elixir, with a LiveView frontend that functions on multiple different platforms. The game engine state machine is a pure Elixir GenServer implementation.
- Custom Auth0 authenticated Content Management System for content development including media uploads into Amazon S3.
- Implemented CDN functionality utilizing Cloudfront for game assets.
- Ensured LiveView functionality on multiple different hardware (Phone, PC) and browser (Chrome, Safari, Firefox) platforms.
- Full OpenTelemetry instrumentation of state machine and LiveView platform.
- Full HTML5 Media player Client <-> Server communications in Javascript & LiveView.
- Responsible for ensuring compatibility with other HTML based video players (Eg, Vimeo, Youtube, etc.).
- Built prototypes to test LiveView functionality on SmartTV platforms with TV-native applications.

2019 - Nov 2020 **Elixir Engineer**, *SafeBoda*, Kampala (Remote), Uganda.

- Redesign 50 million call per day mobile application API from PHP to Elixir.
- Migrated from Heroku to Terraform managed AWS infrastructure.
- Built NixOS & Ansible based deployments for frequent and safe Elixir deployments.
- Migrated AWS Aurora to regular RDS at a significant performance boost and cost savings.

2019 **DevOps Contractor**, *Blast Technologies (Remote)*, Australia.

- Development of fully Puppet-managed Asterisk PBX.
- Put some of that puppet work back into open source.[Puppet Asterisk module <https://github.com/jowrjowr/puppet-asterisk>][Pupp

4500 East Oltorf Apt. 414 – Austin, Texas, 78741

☎ (425) 522-3596 • ✉ [eric.gisse@gmail.com](mailto:eric.gisse@gmail.com)

<https://github.com/jowrjowr>

- 2018 **DevOps Contractor**, *coder.com*, Austin, Texas.
  - Deployed GCP infrastructure for coder.com.
  - Oversaw migration from CircleCI to Jenkins for self-hosted CI infrastructure.
- 2013-2018 **DevOps Contractor**, *Upwork - Varied small & medium projects*.
  - Setup 50 node Chef managed cluster for a visual search engine concept, including a Ceph managed storage backend.
  - Designed a Puppet-managed site deployment solution (~75 nodes) that deploys Wordpress sites as well as interfacing with associated registrar APIs to manage DNS. Hefty amount of Perl glue to accomplish this.
- 2012-2013 **Linux System Administrator**, *Rackspace*, San Antonio, Texas.
  - Was responsible for handling for RHEL, CentOS, and Debian support for Rackspace EMEA customers while simultaneously serving as an escalation point within my team for more complicated tasks.

## Notable Personal Projects

- A conversion of a legacy PHP application that serves approximately a thousand users into a Python based REST API built upon Flask. This includes a core authentication migration into LDAP. This application interfaces with a large number of 3rd party external APIs. The purpose of this was to teach myself modern Python and support the IT infrastructure of an entity within a game I played. Ended up open sourcing it all once everything was decommissioned. [[https://github.com/jowrjowr/tri\\_api](https://github.com/jowrjowr/tri_api)]

## Education

- 2009 **Bachelor of Science in Physics**, *University of Alaska*, Fairbanks, US.

## Technical Skills

Programming & Scripting Languages	Elixir, Python, Bash. Will only admit to PHP or Perl upon a binding blood oath that they are read only as they are unloved.
Operating Systems	Linux. I know literally nothing of professionally managing Windows.
Cloud & Virtualization Providers	AWS, Google Cloud, VMWare.
Configuration Management	Puppet, Ansible, Chef

## References

[Puppet Asterisk module <https://github.com/jowrjowr/puppet-asterisk>]

[[https://github.com/jowrjowr/tri\\_api](https://github.com/jowrjowr/tri_api)]

4500 East Oltorf Apt. 414 – Austin, Texas, 78741

☎ (425) 522-3596 • ✉ [eric.gisse@gmail.com](mailto:eric.gisse@gmail.com)

<https://github.com/jowrjowr>

[<https://gist.github.com/jowrjowr/56a36a3da9a039038b8504b73bfe2461>]