

Erick Yellott

Summary

Detail oriented software engineer with 10+ years experience implementing distributed systems. Well versed in modern software practices including version control, automated testing, code review, and CI/CD. Strong believer of a collaborative engineering culture rooted in empathy.

Skills

- Languages and Frameworks: Python, Django, Tornado
- Datastores: BigQuery, PostgreSQL, MySQL, Redis
- Cloud Platforms: GCP, AWS, Hetzner
- Other: Git, Datadog, NSQ, Ansible, Docker, Vagrant, cowsay

Experience

Ro | Austin, TX (remote)

Staff Software Engineer | Jan 2021 - May 2022

- Worked with data science to productionize a custom clustering algorithm to dispatch medical personnel administering in-home covid-19 vaccination shots time efficiently while minimizing waste of the new Moderna vaccine. This project was on a very aggressive timeline. (More info [here](#).)
- Acted as team lead and mentor for a team of 6 engineers.
- Maintained legacy monolithic internal electronic medical record system while building out new capabilities in microservices.
- Wrote proxy backend data transformation and caching services to enable launching of Ro's new physician portal, as well as enabling the launch of new business offerings, such as Ro Mind for mental health.
- Helped codify best practices and standards within our development group alongside other team leads. Topics ranged from preferred frameworks, payload structure, and REST responses to documentation and testing.
- Started a book club to help team members write cleaner code.
- Created general use services, such as an html to pdf renderer, that were useful to the organization at large, as well as service templates others could use to spin up FastAPI services quickly.
- Maintained observability dashboards for our backend services in datadog and helped establish best practices for alerts in slack within our group.
- Performed 2-5 coding interviews weekly.

BuzzFeed | Austin, TX (remote)

Staff Software Engineer | Oct 2015 - Dec 2020

- Maintained data pipeline and worker queue ingesting 20k messages/sec, 10k requests/sec, and delivering 130k messages/sec.
- Launched new data warehouse import process improving data latency from hours to 90 seconds.
- Consolidated data pipeline configuration into a schema definition language improving developer workflow, enabling validation of incoming data, and greatly improving data quality.
- Developed platform to allow click button deploys into Amazon ECS and improve developer workflow.
- Developed API gateway reverse proxy centralizing authentication and rate limiting between internal microservices while increasing visibility into upstream performance.
- Deployed internal PyPI server enabling internal packages to be developed and easily distributed.
- Developed widely used internal Python libraries including clients to communicate with the API gateway, clients to publish data to the data pipeline, libraries of common Tornado web request handlers, mixins, and coroutine testing utilities.
- Developed APIs and services using Python, Tornado, Golang, MySQL, and Redis.
- Served on working groups to determine best practices for internal libraries and clickstream analytics data modeling to ensure GDPR compliance and maintain data quality.
- Served as team lead, manager, and mentor for junior engineers, contractors, interns, and data scientists.

Djed | Austin, TX

Software Engineer | Feb 2014 - June 2015

- Performed feature development for our main product, an organization and communication platform for families.
- Developed frontend and APIs using Django, Backbone, and PostgreSQL.
- Designed and implemented the news feed, including fanout and transactional emails.
- Implemented row level permissions allowing users to manage content sharing.
- Automated deployment of blog using wp-cli, Ansible and Fabric.

Mutual Mobile | Austin, TX

Software Engineer | Jan 2013 - Feb 2014

- Developed APIs, backend services, and config management for numerous clients using Django, Salt Stack, and Ansible.
- Developed backend for virtual mobile carrier by integrating with SOAP services.
- Automated deployment of www.mutualmobile.com using Ansible.
- Supported internal iOS and Android UI automation testing tool based on Appium.

Immense Networks | Baton Rouge, LA

Full Stack Engineer | Feb 2011 - Jan 2013

- Developed and maintained web apps for numerous clients using php, Symfony, WordPress, MySQL, and SQL Server.
- Developed backend for offshore safety assessments iOS application.
- Developed web app to help manage HR functions and equipment tracking.
- Developed web app to monitor domain and SSL registrations.
- Helped establish best practices including source control management, local development environments, and issue tracking.

Education

Louisiana State University

Baton Rouge, LA | Aug 2008 - May 2011

B.S. Computer Science, Software Engineering, *cum laude*