Josh Frye

Platform / DevOps / Backend

Platform engineer with 13+ years building products, developer tools and infrastructure at scale.

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EXPERIENCE

Patriot Software, Canton, OH — *Senior Devops Engineer*

May 2024 - Nov 2025

Implement GitOps workflows using Flux, GitHub Actions, and AWS CDK for multi-cluster Kubernetes management, reducing deployment errors and improving auditability. Architect PostgreSQL logical replication using Snowflake Openflow to sync all databases in realtime to snowflake.

Frye Consulting, Canton, OH — *Senior Software Engineer*

Nov 2022 - May 2024

Provided DevOps and platform engineering consulting for startups, focusing on Kubernetes migrations, CI/CD pipeline optimization, and infrastructure automation.

Papa Inc, Miami, FL — *Senior Platform Engineer*

Nov 2020 - Nov 2022

Built an Internal Developer Platform from scratch, reducing service deployment time from hours to under 15 minutes and enabling engineering teams to ship new services in a consistent and reliable manner. This included a chatops driven coordinator that interfaced with GitHub Actions, Amazon ECR, Amazon EKS, Docker Hub, Helm, and Kubernetes.

StackShare, San Francisco, CA — *Senior Software Engineer*

Nov 2020 - Nov 2022

Owned all backend systems powering StackShare's frontend APIs, implementing GraphQL and react_on_rails to modernize the stack. Worked on scaling issues and refactoring technical debt as well as writing supporting apis for new feature development. Implemented GraphQL, react_on_rails, and helped get our engineering team focused on performance. Managed all devops work, including infrastructure deployed on Heroku, DigitalOcean, AWS, and GCP, as well as Dockerized our application and maintained our CI systems. Handled alerting and management of 3 Kubernetes clusters running on GCP deployed via custom chatbot and helm charts as well as handling on-call incidents, stability, performance, and uptime issues.

SKILLS

AWS, GCP, EKS, ECR, Terraform, Ansible

Docker, Kubernetes, Helm, Containerd, Buildx, Multi-arch images

Postgresql

Datadog, Service Mesh, Prometheus, Grafana, Alloy, Promtail, OpenTelemetry

GitHub, GitLab, Nginx, Linux (Ubuntu, Debian, RedHat)

ChatOps, GitOps, Internal Developer Platforms

LANGUAGES

Ruby, Elixir, Go, Python, Java, PHP, JavaScript, SQL

GitLab Inc, San Francisco, CA — *Senior Software Engineer*

Jan 2016 - Aug 2016

Joined via acquisition of GitHost. Delivered product features and backend Rails performance improvements to help scale gitlab.com as it hit explosive growth. Contributed to the Gogs open source project.

GitHost, Brooklyn, NY — *Founder*

Dev 2014 - Dec 2015

Founded and built GitHost, a platform for automated deployment, management, and upgrades of private self hosted GitLab instances in the cloud. Adopted by GitLab Inc. in 2015 and I later joined the GitLab team as a Senior Software Engineer.

DigitalOcean Inc, New York, NY — *Senior Software Engineer*

Aug 2013 - Jul 2014

Worked on the backend scheduling and server image generation systems responsible for deploying servers on DigitalOcean's custom cloud platform as well as the first version of their rest api written in Ruby. Wrote the first Android app for server managment before I was hired.

Etsy, Brooklyn, NY — *Senior Software Engineer*

Jan 2016 - Aug 2016

Served on the "Core" team as a performance specialist for a platform serving 95 million users. Refactored critical paths across the software stack to ensure page response times met strict SLAs, directly impacting user experience and conversion rates.

PROJECTS

GitHost — *Managed GitLab Hosting*

https://githost.io/ - Was handed off to GitLab and has since been shutdown. Automated GitLab setup and upgrades, provisioned automatic SSL, preconfigured CI runners.

RailsReady — *Ruby and Rails setup script for Linux systems*

https://github.com/joshfng/railsready - now retired. Automated the cumbersome process of setting up Ruby on OSX years ago when it was incredibly difficult and error prone.