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KATHLEEN FRENCH, M.F.A.
PRINCIPAL SOFTWARE ENGINEER & WRITER

CORE COMPETENCIES

Languages: Golang • Javascript • Python • PHP • Rust • SQL • Groovy • Ruby • Shell

Technologies: Docker • Kubernetes • Helm • Argo • Jenkins • GCP • AWS • Heroku • CircleCI • Jira • Github • Webpack • Gulp

Skills: Continuous Integration • Test Driven Development • Object Oriented Programming • Agile and SCRUM Methodologies • Sprint Planning • Web Responsive Design • Systems Architecture • IAB Digital Video Standards • Ad Exchanges • Writing (Fiction, Analytical, Technical Documentation) • Editing • Database Performance Optimization

EXPERIENCE

Vimeo, New York, NY | Principal Software Engineer (Developer Experience)   2019-Present

- Wrote the command line tool 'dex' used by developers at Vimeo to streamline local development tasks, integrate with frequently used third-party APIs, and encourage best practices for writing CI pipelines
- Built 'Warden' - a full-service internal application for approval workflows surrounding permissions to various services at Vimeo. Integrates, where applicable, with APIs to automate implementation entirely.
- Improved Jenkins development builds for the Vimeo application from ~45+ minutes to ~8 minutes on the low-end.

Bounce Exchange, New York, NY | Software Engineer (Onsite Product Team)   2017-2019

- Built an in-house, IAB compliant VAST/VPAID video player for the ads product increasing impressions, performance, and eliminating monthly licensing costs to a third-party player provider.
- Built a Go service API for onsite retargeting of users by identifying previously visited products then returning a range of items based on criteria set in a campaign (minimum, maximum number of products; sorted by recently viewed or frequency of viewing). Deployed using Docker, Kubernetes, and Helm on GCP, integrated with CircleCI.
- Moved all client-side JS for the onsite tag from the legacy API codebase to its own codebase, significantly increasing rate and ease of deployments via CircleCI. Integrated with local development environments requiring local-specific Dockerfile and custom configuration of the webpack-dev-server to function with our containerized services on an NGINX reverse proxy.
- Added caching in our PHP API to CSS properties used in onsite campaigns that were regularly making expensive queries to the database, cutting database calls-per-minute from 60,000 to 25,000.

Ephelants, New York, NY | Software Engineer   2017

- Designed and built the functional framework of an early-stage, scalable media distribution, networking, and investment platform in Ruby on Rails for a film production company.
- Coded end-to-end user, investor, and networking functionality with authentication, peer-to-peer 'following', subscription access capabilities, and proposal submission to later be integrated with AI selection algorithms.

Narrative Capital Partners, New York, NY | Creative Executive   2015 – 2016

- Wrote and prepared polished white papers and business proposals for multi-million dollar debt deals used to finance the production of feature films and provide significant ROI for investors.
- Identified IP for the acquisition of story rights
- Monetized and managed hundreds of domains, designed and managed the company website

New York University, New York, NY | Adjunct Professor   2015

- Facilitated Introduction to Creative Writing: Fiction & Poetry course for 14 undergraduate students.
- Designed course syllabus, lecture plans, and grading structure. Led weekly workshops to evaluate and improve student pieces.

AWARDS

The Social Good Hackathon at Lesbians Who Tech   2017

Awarded 2nd Place for SHELTR, a mobile app concept; judged by Uber

EDUCATION

The Firehose Project, Graduate | Software Engineering Program   2017

New York University, MFA | Fiction   2015
Cumulative GPA: 4.0/4.0

Harvard University, BA | English   2013
Magna cum Laude | Awarded The Cyrilly Abel Prize in Fiction | Awarded The Edward Eager Grant