

LYLE FRANKLIN

lylejfranklin@gmail.com | <https://lylefranklin.com> | 765.993.5947

Generalist software engineer with a focus in distributed systems and automation
Imagine, Build, Teach

EXPERIENCE

Staff Software Engineer @ Pivotal

Jan '15 - Present | San Francisco, CA

Lead for Release Engineering (2018)

- ◆ Deployed Cloud Foundry under different configurations to CI environments 50+ times each week
- ◆ Reduced the number of configuration file lines from 60K+ to 17K without removing functionality
- ◆ Designed and built a self-service system to enable teams across the organization to integrate changes

Engineer for Cloud Foundry API (CAPI) (2017)

- ◆ Developed microservices using Go and Ruby on Rails for the Cloud Foundry Control Plane
- ◆ Designed a reusable system for engineers to claim an already deployed environment for manual testing, saving hours each week in wasted developer productivity across the company

Lead for BOSH CPI (2016)

- ◆ Developed components to deploy Cloud Foundry across AWS, GCP, vSphere, or Azure by abstracting away the infrastructure from the rest of the deployment system
- ◆ Created Google CPI to deploy Cloud Foundry to Google Cloud Platform and worked with Google engineers to transfer ownership of the codebase to Google

Lead for Core Services (2015)

- ◆ Maintained the managed MySQL service for Cloud Foundry
- ◆ Designed and implemented a streaming backup solution to encrypt and compress backups before uploading to a blob-store

Extreme Blue Intern @ IBM

May '14 - Aug. '14 | Austin, TX

- ◆ One of only 32 hires out of 1,800 applicants (<2% acceptance rate)
- ◆ Built system to allow non-technical users to deploy solutions to IBM's Bluemix cloud hosting service
- ◆ Utilized Vagrant, Docker, and Cloud Foundry to standardize development and production environments
- ◆ Pitched project to executives and distinguished engineers on a weekly basis

EDUCATION

Univ. of Southern California

M.S. in Computer Science

Spec. in Software Engineering

Graduated: Dec. '14

GPA: 4.00

Ball State Univ.

B.S. in Computer Science

Minor in Foundations of Business

Graduated: Dec. '12

GPA: 3.95

SKILLS

Written production code with:

Go, Ruby, Bash, SQL

Played around with:

Java, JavaScript, CSS/LESS/SASS

Deployed with:

Kubernetes, Cloud Foundry, ConcourseCI, Terraform, Ansible

Deployed to:

Google Cloud, AWS, vSphere, Azure

Developed by:

Test Driven Development, Pair Programming

PROJECTS:

- ◆ 2-hour video explaining TLS protocol: <https://youtu.be/yz3bcnWf7M>
- ◆ Guide to deploying Kubernetes on Raspberry Pi: <https://github.com/ljfranklin/k8s-pi>
- ◆ Terraform resource for ConcourseCI: <https://github.com/ljfranklin/terraform-resource>