

ALBERTO TORRES

*DevOps Engineer
excited about
automated & secure
infrastructure, lean &
mean containers/OSes
& high-performing
collaborative teams*

SKILLS

AWS/GCP/Azure

Docker

Kubernetes & Operators

IaC (Terraform) & GitOps

Service Meshes (Istio)

Languages

Python

Go

/bin/bash -c ":{:|:&;:;"

Rust

JavaScript

Smalltalk

Databases

PostgreSQL

Kafka

Elasticsearch

Redis

TICK stack

HOBBIES



JETBLACK/WALMART, NEW YORK, NY

Staff Platform Engineer

(DEC 2018 – PRESENT)

- » Implemented Infrastructure as Code with Terraform, enabling consistent environments, among other benefits. Resources under management include Kubernetes clusters, Kafka, namespaces, cluster policies as well as cloud Databases, storage buckets, resource group/projects, IAM roles, DNS, etc.
- » Planned & executed a cross-cloud migration from GCP to Azure.
- » Identified manual, repetitive work tied to our Kafka clusters. Built a Kubernetes Operator to automate the sharing & syncing of Kafka-related Secrets/ConfigMaps across namespaces. Open-sourced a version of [tool](#).
- » Responsible for maintaining & improving all cloud infrastructure. Part of 'on-call' rotation. Effectively troubleshoot incidents in production.
- » Leveraged scaffold & kustomize to centralize common config & best practices in the previously disparate CI processes of 100+ code repositories.

LEDGERX, NEW YORK, NY

Lead DevOps Engineer

(MAY 2017 – DEC 2018)

- » Quickly contextualized, automated & standardized provisioning tools & cloud infrastructure (AWS & others) to help launch the first US regulated cryptocurrency options exchange & clearinghouse.
- » Implemented build & CI/CD pipeline improvements, including 75% reduction in containerized software stack build time & reduced docker image sizes.
- » Code/query performance tuning, including multiple orders of magnitude improvement on real-time market surveillance SQL query run times.
- » Have systematically reduced cloud IT spend, including cutting CI/CD runner costs to 1/8th original costs & consolidating & right-sizing idle resources.

RECURSE CENTER, NEW YORK, NY

3 Month Programming Retreat: some projects below (FEB – MAY 2017)

- » [recurse-faces](#): An app to help you learn the faces/names of Recursers. Fixed many bugs & implemented feature requests. 'Dockerized' the development environment to simplify new contributions. Tech used: Python, Flask, React, PostgreSQL, Docker, Heroku.
- » [LuaTweetBot](#): Tech used: LuaJIT/FFI, Docker, Oauth (built from scratch).
- » [6-Key-QWERTY](#): Portable arduino chording keyboard with frontend in D3.js.

EDUCATION

COLUMBIA UNIVERSITY, NEW YORK, NY

BS in Operations Research: Engineering Management (CLASS OF 2010)

Minor in Entrepreneurship, Minor in Psychology

STANFORD UNIVERSITY, (ONLINE COURSE)

Machine Learning Programming Course (DEC 2011)

edX (ONLINE COURSE)

Introduction to DevOps: Transforming & Improving Operations (DEC 2016)

CONTACT INFO

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