Lawrence Pan

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Summary

Languages: Golang, Python, JavaScript, C/C++, Ruby, Clojure

Interests: Cloud-native infrastructure, Distributed systems, Database design

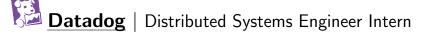
Technologies: Kubernetes, Spinnaker, Istio, Envoy, gRPC, Redis, Postgres, Consul

Experience



Sep 2018 - ongoing

- Built Spinnaker pipelines to allow phased rollout for istio gateway-wide configuration changes
- Currently building tools and services that work with Kubernetes and Spinnaker, to enable scaling at PlanGrid



Jan 2018 - Apr 2018

- · Worked on the metrics submission pipeline that streams millions of data points per second
- Owned the time-series creation service written in Golang by ensuring it met its SLOs
- Spearheaded the migration of the service's IPC layer to gRPC, details in blog post
- Universe | Full-Stack Engineer Intern

May 2017 - Aug 2017

- Pioneered and shipped Universe's first front-end app that consumes its new GraphQL API
- Designed and implemented an in-house framework for building Universe's embedded widgets
- Plotly | Front-End Engineer Intern

May 2016 - Aug 2016

- Maintained and developed features for a <u>massive SaaS app</u> built with React and Redux
- Contributed to the development of an e2e testing framework written in Python Selenium

Writings

- Lessons learned from writing a text editor in C (HackerNews front-paged)
- How gRPC helps improve reliability and fault tolerance at DataDog

Education

University of Waterloo Bachelor of Software Engineering

Sep 2016 - May 2021 (expected) 89.7% cumulative GPA, Dean's Honours List