Enoch Tang

e26tang@uwaterloo.ca • github.com/enochtangg • linkedin.com/in/enoch-tang • enochtangg.github.io

EXPERIENCE

Wish • Software Engineer
Toronto, May 2021 – Aug 2021

- Managed the entire evaluation and rollout process of container requests/limits in all envs which reduced resource util by ~5%
- Implemented custom k8s manifest pre-commit tests to ensure new service owners are following best practices
- Developed reporting tool to describe weekly utilization, requested resources, and cost estimates of all services at Wish
- Migrated all services to use k8s readinessGates for registration to consul which removed the need for 100s of sidecars.

Autonomic • Site Reliability Engineer
Toronto, Sep 2020 – Dec 2020

- Orchestrated k8s 1.12 to 1.14 upgrades on all envs by leveraging kops, concourse-ci and custom shell scripting
- Designed and implemented k8s pod security policies using Helm charts which improved the security posture of all clusters
- Led the development initiative for node chaos using bash, Docker, and AWS to evaluate fault tolerance of 11 environments
- Integrated kube-bench, a Go app used to run k8s CIS benchmark checks which revealed 20+ actionable security fixes

Yelp Inc. • Infrastructure Engineer
San Francisco, Jan 2020 – Apr 2020

- Co-led the initiative to migrate Yelp's production services from Apache Mesos to Kubernetes
- Developed various CLI functions on Yelp's open source platform, PaaSTA, which enabled engineers to easily select and manage 200+ k8s services; fully adopted by 60+ service owners and infrastructure engineers
- Evaluated and load tested deploy queue performance and provided detail reports which led to reducing deploy times by 20%
- Partook in incident responses and post-recovery efforts by coordinating with stakeholders to resolve affected services

Numerator • Software Engineer
San Francisco, May 2019 – Aug 2019

- Led the development for a data calibration internal tool, implemented worker services with Django, RabbitMQ, Boto3, Nginx
- Launched Trendability Control Centre enabling Numerator to improve data projections by 20% for 1000+ retailers
- Packaged app configs into Ubuntu 18.04 VM by leveraging Ansible, Docker, Vagrant, and Jenkins

LCBOnext • Full-Stack Engineer
Waterloo, Sep 2018 – Dec 2018

- Developed metrics monitoring and log gathering for various LCBO services by utilizing MEAN stack and Azure services
- Architected dataflow for Mixology's voice search functionality by leveraging Elasticsearch and MongoDB

Terrene Inc. • Software Engineer
Waterloo, Jan 2018 – Apr 2018

- Built data ML pipelines to ingest, aggregate and clean user data for model training; transferred thousands of logs daily
- Integrated Prometheus for Terrene's core services which enabled metrics monitoring through Grafana dashboards

SKILLS

Language:	Python • Bash • Shell • Go • C++ • JavaScript • Typescript
Infrastructure:	Kubernetes • Docker • Puppet • Ansible • Linux • Jenkins • Vagrant • Terraform • Helm • Kops
AWS:	Boto3 • EC2 • AMI • S3 • Route53 • RDS • SQS • ELB • VPC • EBS • CloudWatch • IAM
Full-Stack:	Django • Node • MySQL • PostgreSQL • MongoDB • Redis • Nginx • Celery • React • GraphQL

EDUCATION & AWARDS

University of Waterloo • System Design Engineering
Sep 2017 – Apr 2022 (expected)

President's Scholarship • McGill Hacks 2018 Google Prize • BASc Candidate • Brazilian Jiu-Jitsu • Basketball