

Enoch Tang

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EXPERIENCE

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, PaaSSTA, 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

PROJECTS

Cardinal • Homeless donation app which pools money by city and make giving easier; built on serverless GCP Cloud Functions

TheatreShare • Full-stack app that allows users to join theater rooms, chat, and watch movies together in real time (via sockets)

Nibble • POS system that allows users to order food, reserve tables, and get restaurant information through text messaging

SKILLS

Language: Python • Bash • Shell • Go • C++ • JavaScript • Typescript

Full-Stack: Django • Node • MySQL • PostgreSQL • MongoDB • Redis • Nginx • Celery • React • GraphQL

Infrastructure: Kubernetes • Docker • Puppet • Ansible • Linux • Jenkins • Vagrant • Terraform • Zookeeper • Helm • Kops

AWS: Boto3 • EC2 • AMI • S3 • Route53 • RDS • SQS • ELB • VPC • EBS • CloudWatch • IAM

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 • Photography