Enoch Tang

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EXPERIENCE

Numerator • Software Engineer   San Francisco, Apr 18 - Aug 18

- **Led** the initiative for Numerator's Trends Analysis project; designed and developed RESTful **APIs** with **Python3 Django**, **Nginx**, **Gunicorn**, **RabbitMQ** and **MySQL**.
- Packaged all Trends application configurations in **Ubuntu 18.04** VM by leveraging **Vagrant**, **Docker**, **Ansible**, **AMIs** and **shell scripting.**
- Automated Staging, QA and Production **build pipelines** by utilizing Ansible playbooks and Jenkins tasks.
- Deployed cluster of application services to handle **700+ thousand** daily insights requests over AWS instances including **EC2**, **ELB**, **S3**, **RDS**, **Route53** and **VPC** by orchestrating resources with **Terraform.**
- **Integrated** Django application with **ETL** pipeline to transform and transfer **1.0+ million** logs daily.

Liquor Board of Ontario (LCBOnext) • Full-Stack Developer   Waterloo, Sep 18 - Dec 18

- **Directed** LCBOnext's health metrics monitoring around various services; set up an **infrastructure** with **Azure** and utilized **MEAN** stack to create metrics monitoring and log gathering.
- Architected microservices dataflow for **voice search functionality** in LCBOnext's Mixology application by leveraging **ElasticSearch** and **MongoDB**.
- Created **CI/CD pipelines** for numerous LCBO **App Services** by utilizing **Docker, Self-hosted Agents, Terraform,** and their best practices.
- Developed key features for LCBO's **REST API** by using **Node Typescript, React, PostgreSQL**, and **Microsoft Azure** services.

Terrene Inc. • Software Developer   Waterloo, Jan 18 - April 18

- Built **data pipelines** to aggregate user data by using **Django**, **PostgreSQL, Boto3, and S3** to transform and transfer thousands user data logs daily.
- Prepared Ontario's electricity consumption aggregated data for supervised learning by implementing custom **Python scripts** to **ingest**, **aggregate** and **clean data.**
- Integrated Prometheus into the core Django applications to monitor traffic through Grafana dashboards which provided key insights.

PROJECTS

TheatreShare

- Developed a **full stack application** that allows users to create/enter "**theater rooms**", **chat**, and **watch movies** together in **real time** using **Django, Redis**, and **Vue.js**.

Nibble

- Developed a full stack restaurant POS system that allows users to **order food**, **reserve tables**, and **get restaurant information** through **text messaging** by utilizing StdLib, Node.js, Messagebird, and Firebase.

Marketplace_api

- Created an online marketplace using **GraphQL, Express.js**, and **MySQL** that allows clients to query, cart, and checkout items from a selection of inventory products by using a flexible **query language**.

EDUCATION

University of Waterloo Systems Design Engineering

BASc Candidate • President's Scholarship • McGill Hacks 2018 Google Prize • Muay Thai • Weight Lifting • Photography