ANTHONY W. HO

Software Engineer

anwyho@gmail.com
+1 510 200 6799
anwyho
anwyho
San Francisco Bay Area, CA
US Citizen

OBJECTIVE

A DevOps-Backend hybrid engineer with strong Python experience passionate about designing robust, modular code. Looking to join a medium-sized company focused on writing dependable backend or ETL software.

EXPERIENCE

OCTOBER 2019 – MARCH 2020
Senior Software Engineer
Atlas Health

- Containerized Flask backend to be deployed onto scalable Google Cloud services
- Sped up batch job start-up time 20x by refactoring MySQL connections
- Migrated nightly batch jobs to Airflow for increased observability
- Set up and defined indexes for Elasticsearch to speed up text searches and filtering
- Increased infrastructure security and scalability to meet HIPAA compliance and increased load by researching, presenting, and implementing design proposals

FEBRUARY 2019 – OCTOBER 2019
Software Design Engineer
Mercedes-Benz Research & Development North America Inc. (Contract)

- Designed backend microservices that eased load on critical testing infrastructure
- Directed integration testing to safely migrate from NGINX to Airflow on Kubernetes
- Hardened testing pipeline and scaled compute jobs by 10x
- Worked heavily in Python and Bash with Kubernetes, Flask, and Airflow

NOVEMBER 2018 – JANUARY 2019
Software Developer
BARTbot – Live Schedules (Personal Project)
A chatbot that delivers live updates on the BART schedule via FB Messenger

- Designed a REST API with AWS Lambda for interfacing with the Messenger API
- Implemented batch handling and asynchronous I/O in Python

MARCH 2018 – FEBRUARY 2019
Computer Science Tutor
Chegg Inc.

- Guided students on how to thoughtfully design complex programs in Java & Python
- Topics included byte-level compilers, state machines, and assembly language

EDUCATION

SEPTEMBER 2014 – DECEMBER 2017
University of California, Davis
Bachelor of Science, Computer Science

- Specializations: Algorithm Design, Data Structures, Design & Architecture Patterns

SKILLS

Python/Flask (5yrs), Java (4yrs), Shell/Bash (4yrs), JavaScript (1yr), Go (<1yr)

TDD & Unit Testing (Python unittest, Junit5), Git, Linux, Vim

Relational & NoSQL Databases (MySQL, DynamoDB)

Agile Development, Managing Distributed Systems