

Horng-Tzer Wang (Kobe)



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M.S., Computer Science and Information Engineering, [National Taiwan University of Science and Technology](#) 2010 - 2012

Lead Data Engineer (First Data Engineer), [OneDegree](#), Taipei, Taiwan Jun 2020 - Present

Python/Airflow/AWS/Kubernetes/Data Pipeline/Data Infrastructure/ETL/Superset/GitLab/FastAPI/Grafana

- Designed, built, and implemented streaming data processing APIs and infrastructure from 3rd party data vendors **from scratch (over ten thousand data per day)**
- Designed, built, and implemented scale efficient data pipeline infrastructure, ETL, batch data processing, and data warehouse **from scratch (over thirty thousand data per day)**
- Built data visualization that empowers internal users to generate actionable insights and periodical reports **from scratch**

System Architect, [CloudMile](#), Taipei, Taiwan Mar 2020 - Jun 2020

Python/Airflow/GCP/BigQuery/ETL/GKE/Data Pipeline/Data Infrastructure/GitLab

- Built data pipeline for MarTech to create Extract-Transform-Load (ETL) **from scratch (reduced over 90% of manual work)**

Sr. Software Engineer, [9Dimensions](#), Taipei, Taiwan Oct 2018 - Jan 2020

NodeJS/Lua/Nakama/AWS/MySQL/Bitbucket pipeline (CI/CD)/Ansible

- Designed and built auto-deployment flow and auto-scaling using AWS CodeDeploy and Bitbucket pipeline as a CI/CD **from scratch (reduced over 95% downtime deployment issue)**
- Designed, implemented, and refactored multiple payment systems and billing report systems
- Designed and implemented real-time game server flow, algorithms and custom RPC functions using Lua language based on Nakama engine

Sr. Software Engineer, [Shoptline](#), Taipei, Taiwan May 2016 - Oct 2018

Ruby on Rails/Python/AngularJS/AWS/GCP/GKE/ETL/MongoDB/SQLAlchemy/Flask/Data Pipeline/Data Infrastructure/PostgreSQL

- Developed payment gateway system, packages delivery system, and Short Message Service for merchants and customers **(over 6000 merchants)**
- Lead and mentor 5 engineers to integrate the new delivery systems and develop many core product features
- Designed and implemented web beacon API for tracking users' streaming real-time events on every merchant **(over 1000 RPS for page views)**
- Designed and built data pipeline (ETL) infrastructure, migrated, and aggregated daily data from MongoDB to GCP BigQuery as a data warehouse **from scratch (over than ten million data)**
- Built analytics/events infrastructure and CI/CD using AWS ECS **from scratch (reduce 90% deploy times)**
- Lead and build up a data team of about 4 to 5 engineers to develop many DAGs and analytics modules for merchants **(the maximum data over one million data by day)**

Software Engineer, [Concentrus](#), Taipei, Taiwan Oct 2015 - Apr 2016

Sr. Engineer, [Delta Electronics](#), Taipei, Taiwan Oct 2012 - Oct 2015

Software Engineer Intern, [Trend Micro](#), Taipei, Taiwan Jun 2011 - Mar 2012

SIDE PROJECTS

Crypto Flash - a trading bot for cryptocurrencies that aims to be as fast as possible with the different trading strategy using Golang