

MOU PAUL

👋 I am passionate about large scale infrastructure and machine learning. I speak 3 languages and enjoy traveling the 🌍

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paul.mou.dev

Technical Skills

Language Python Golang Typescript/Javascript
Platform Kubernetes BigQuery BigTable Node.js GRPC Chef Docker
Infra Kafka Consul Vault Druid Nginx Redis Envoy Sqlite
Library Pytorch Rocksdb Electron Next.js React

Selected Projects

Training a Speaker Embedding from Scratch with Triplet Learning (6k+ views)
<https://go.mou.dev/triplet-embedding-learning>

Personal short link generator in Rust (deployed on go.mou.dev)
<https://go.mou.dev/short>

Professional Experiences

Software Engineer @ Twitter, San Francisco 2018/06-Present

- Collaborated with multiple engineering functions to recreate and scale Smyte anti-spam infrastructure 10x after acquisition
- Documented and advocated for best practices for teams adopting cloud technologies within Twitter Health
- Mentored engineers on Smyte stack to distribute system ownership and scale engineering teams

Software Engineer @ Smyte, San Francisco 2015/11-2018/06

- Core member of four engineers building and scaling Smyte's realtime anti-spam engine protecting hundreds of millions of users
- Developed and maintained automation and monitoring solutions for multiple kubernetes cluster with thousands of pods
- Designed and maintained Smyte's first machine learning stack for image abuse detection
- Contributed to high impact initiatives such as GDPR compliance and infrastructure costs reduction

Software Engineer @ Inkling, San Francisco 2013/04-2015/05

- Designed, developed, and maintained video encoding pipeline for publishing HTML5 content to mobile and epub

Software Engineer Intern @ Amazon, Seattle 2012/05-2012/09

- Designed and implemented a time-based resource allocation system to optimize distributed system resource allocation for clients in Java

Research Intern @ Nippon Koei, Tsukuba 2011/09-2011/12

- Built model for earthquake road damage analysis and analyzed satellite images for researching connections between landslide and vegetation

Educations

Udacity
Self-Driving Car Engineer I
Certificate

Stanford University
Computer Science
Master (withdrew)

University of Waterloo
System Design
Bachelor