



Andrew Liang

Software Developer

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Experience

 **TAPLYTICS** Backend Engineering • Taplytics

Fall 2017

- Built distributed user messaging pipeline on **GCP, Node.js** supporting **300 GB/s** of traffic
- Created traffic optimization engine with **GCP, Node.js, Flask** to boost A/B test ROI by **26%**
- Made recommendation system in **JavaScript** for A/B testing websites to raise KPIs by **72%**

 **Platform Engineering** • Wattpad

Winter 2017

- Built an open-source client library in **Go** for interfacing with Adzerk's ad serving API
- Leveraged concurrency techniques in **Go** to improve network request latency by **66%**
- Enhanced RESTful APIs in **Go** and **PHP** to support new ad-related product requirements

 **Data Engineering** • Paytm Labs

Summer 2016

- Optimized data processing pipelines in **Python, Scala** to ensure **98.5%** uptime
- Built **Node.js** web app with **React, Redux** to visualize product recommendation metadata
- Refactored **Scala** code to **decrease latency** for recommendation API serving **100M** users

Projects

go-adzerk – Go, Adzerk

April 2017

An **open-source** client library in **Go** for interacting with the Adzerk API.

wattpoll – Go, MySQL

April 2017

A microservice in **Go** backed by a **MySQL** database which supports embedded polls at the end of a page of a story on Wattpad.

Skills

Languages

- JavaScript
- Python
- Go
- C/C++
- Bash
- SQL

Technologies

- Git
- Unix
- Google Cloud Platform
- AWS
- Pub/Sub
- Cloud Functions
- BigQuery
- MongoDB
- Elasticsearch

Interests

- Open-source software
- Serverless architecture
- Hackathons
- Barbering

Education

University of Waterloo

Bachelor of Software

Engineering, 2015 - 2020