Andrew Liang

Software Developer

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Experience

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