

Andrew Liang

Software Developer

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Skills

Languages

JavaScript	Go	Bash
Python	C/C++	SQL

Technologies

Git	Cloud Functions	Elasticsearch
Unix	Node.js	MySQL
AWS	BigQuery	Datadog
Pub/Sub	MongoDB	Semaphore CI

Projects

go-adzerk – Go, Adzerk

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

wattpoll – Go, MySQL

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

Education

University of Waterloo

Bachelor of Software
Engineering, 2015 - 2020

Experience

Taplytics • Backend Engineering

Fall 2017

- Built a distributed bulk SMS and email delivery pipeline on **Pub/Sub**, **Cloud Functions**, and **Node.js** supporting **300 GB/s** of traffic
- Architected Bayesian traffic optimization engine with **Node.js** and **Flask** to boost A/B test ROI by **26%**
- Developed webpage element classifier in **JavaScript** leading client goal conversions to increase by **72%**

Wattpad • Platform Engineering

Winter 2017

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

Paytm Labs • Data Engineering

Summer 2016

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

Interests

- | | |
|---------------------------|-----------------------|
| • Open-source software | • Distributed systems |
| • Serverless architecture | • Barbering |