


Ryan Wang

ry-wang 

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Skills

Languages: Python, Go, JavaScript, C++, Ruby, Java

Frameworks: ReactJS, Django, Kubernetes (k8s), Rails, EnvoyProxy, Unity, GraphQL

Tools: git, vim, Docker, ElasticSearch, CircleCI, Grafana, Kibana

Experience

Postmates – Software Engineering Intern, Customer Experience Sep. – Dec. 2019

- Modified user grouping logic for more granular targeting of credit / refund policies, saving 200k monthly
- Limited the cases where customer service agents could overissue credits / refunds, saving 60k monthly
- Assisted the migration from Kinesis to Kafka by writing event schemas, producers, and consumers

Lyft – Software Engineering Intern, Infrastructure Jan. – Apr. 2019

- Designed and built infrastructure to allow the k8s horizontal pod autoscaler to scale on custom metrics
- Built a generic short-term metrics cache using Go with an API for the Kubernetes autoscaler to consume
- Modified metrics pipeline to asynchronously flush desired stats from EnvoyProxy to the metrics cache
- Assisted with setting up the SignalFx integration for monitoring Kubernetes components within clusters

A Thinking Ape – Software Engineering Intern, Kingdoms of Heckfire May – Aug. 2018

- Designed and implemented in-app subscriptions support for all games and platforms (iOS and Android)
- Created a subscription-only game feature that increased the monthly game revenue by over 10k USD
- Built a receipt parser in Python that interfaces with Apple and Google's servers to validate and asynchronously update users' subscription status near the expected expiry date
- Updated Django server payload and made client UI changes to show user avatars beside chat messages

theScore Inc. – Backend Developer Intern Jan. – Apr. 2017, Sep. – Dec. 2017

- Prototyped new JSON serialization logic of a high traffic API endpoint and implemented dynamic view fragment caching with Memcached, reducing average response times by over 60%
- Migrated several Rails services onto CircleCI 2.0, reducing build and testing times by 65%
- Setup complete backend support for the World Baseball Classic, which had 1.5 million daily page views
- Designed and implemented a GraphQL API for golf using Rails, GraphQL-Ruby and GraphQL-Batch
- Implemented data processing and API exposure of betting odds for all major soccer leagues

Paytm Labs – Full Stack Developer Intern May – Aug. 2016

- Built a ReactJS and Play Scala web application to visualize and validate product recommendations
- Implemented a RESTful API that queried an ElasticSearch server for the web client to consume

Projects

Mattermost - github.com/mattermost

- Contributor (2+ years) to the open source, self-hosted Slack alternative written in ReactJS and Golang
- Named as the Most Valued Professional (MVP) for contributions made to the Version 4.5 release

Education

University of Waterloo, Bachelor of Software Engineering

Sep. 2015 – Apr. 2020