Ryan Wang

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Skills

Languages: Python, C++, JavaScript, Ruby, C#, Java, Elixir

Frameworks: ReactJS, Django, Rails, Unity, Phoenix, GraphQL, Spark

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

Experience

A Thinking Ape – Software Engineer (Kingdoms of Heckfire)   May – August 2018

- Designed and implemented generic subscription support for all games and platforms (iOS/Android)
- Built a subscription-specific game feature to allow users to have two buildings under construction simultaneously instead of only one, which led to the app being featured on the Apple App Store
- Extended the game's attribute system to support higher level and tier caps for the content extension
- Implemented server (Django) and client changes (Unity) needed to support chat avatars

theScore Inc. – Backend Developer   September – December 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%
- Implemented data processing and API exposure of betting odds for all major soccer leagues
- Rebuilt and expanded internal AWS S3 archive search tool using Elixir, Phoenix, and JavaScript
- Migrated several Rails services onto CircleCI 2.0, reducing build times by 65%

theScore Inc. – Backend Developer   January – April 2017

- Designed and implemented a GraphQL API for golf using Rails, GraphQL-Ruby and GraphQL-Batch
- Setup full support for the World Baseball Classic tournament, amassing 1.5 million daily page views
- Created real time XML data ingestion pipeline in Python and provided API support during tournament

Paytm Labs – Full Stack Developer   May – August 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

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

Education

University of Waterloo, Bachelor of Software Engineering (2020)   September 2015 – Present

Activities and Interests

- Classical RCM ARCT pianist who also enjoys Broadway and film music
- Board games such as Catan, Coup, Avalon, and Exploding Kittens