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 in-app subscriptions support for all games and platforms (iOS/Android)
- 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
- Modified C# client and Django server logic to allow users to start concurrent timers only if they have the associated subscription purchased, and updated the UI to dynamically show number of available timers
- Updated Django server payload and made client UI changes to show user avatars beside chat messages
- Extended the game's attribute system to support higher level and tier caps for the content extension

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 complete backend support for the World Baseball Classic, which had 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 - 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 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