





Ryan Wang

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Skills

Languages: C++, JavaScript, Ruby, Elixir, Java, Python, Scala, SQL

Frameworks: ReactJS, Rails, Phoenix, GraphQL, Node.js, Spark

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

Experience

Backend Developer – theScore Inc.

September – December 2017

- Rewrote JSON serialization logic of a high traffic API endpoint and implemented dynamic fragment caching with Memcached, reducing average response times by over 60%
- Rebuilt and expanded internal AWS S3 archive search tool using Elixir, Phoenix, and JavaScript
- Implemented data processing and API exposure of betting odds for all major soccer leagues
- Migrated several Rails services onto CircleCI 2.0, reducing build times by 65%
- Deployed numerous features, enhancements, and bug fixes across the API and supporting services

Backend Developer – theScore Inc.

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

Full Stack Developer – Paytm Labs

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
- Wrote Spark jobs to process large datasets of over 5 million rows on Hadoop clusters

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

Megaman X

- Programmed a custom version of Megaman by Capcom using Java, Swing, and Eclipse
- Used Object Oriented Programming to implement a character, random enemies, and terrain objects

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