Ryan Serazin

Contact Info

▼ ⚒ Email

ryan@seraz.in

▼ 🗀 Github

github.com/esapyr

▼ 👤 Linkedin

linkedin.com/in/ryan-serazin

Education

The Rochester Institute of Technology *Class of '16*
B.S in Computer Science, Minor in Philosophy.

Skills

▼ ✎ *Languages*

Ruby, Clojure/Clojurescript, Javascript/es6, Python, Java

▼ ⚒ *Tools*

Apache Airflow, Amazon Alexa, Ansible, Athena, AWS Lambda, AWS, DataDog, Dynamodb, Elasticsearch, Git, Postgresql, Redshift/Spectrum, Redis, Solr, Snowflake, Terraform, Vim.

▼ 🏛 *Frameworks*

Ruby on Rails, Padrino/Sinatra, GraphQL, React, Redux, Alt

Work Experience

▼ 🗄 BookBub - **Full-Stack Engineer** *(June 2016 - June 2021)*

▼ *Partner/Admin Platform Team (2020 - 2021)*

Primarily led projects to automate and improve processes on our business development, editorial, and support teams in order to scale our audiobook retailing product.

Projects include:

- Leading a team of myself and a junior engineer in researching, designing, implementing, and launching an Alexa Skill MVP to allow customers to listen to their audiobooks.

- Implementing an admin page to automate approved audiobook refund book-keeping and messaging for the support team.

- Implementing an ETL pipeline using snowflake to calculate relative sales performance for past promotions to aid our business development users while choosing promotions.

▼ *Ad Platform Team (2017 - 2020)*

Key member of team responsible for scaling CPM-bid email-only ad platform to support CPC bidding, and serving ads to the website; enabling the onboarding of hundreds of partners.

Projects include:

- Teamed up with senior new hire to re-write our core ad auctioning service in Clojure. Reduced deploy times from hours to minutes and enabled auction time, loss-preventing, adjustments to CPC bids.

- Led project to rearchitect the distributed locking mechanism for our ad serving service in order to half the number of servers needed to serve ads.

- Led project that improved the speed of estimate reach calculation shown to partners selecting targeting for their ads from 2min+ to sub 500ms by moving calculation from Redshift to Solr/Lucene.

- Implemented CPC bidding in our auction service by using an ads historical and estimated CTR to compare it's CPC bid with other CPM bids during an auction.

▼ *Data Engineering Team (2016 - 2017)*

Primarily responsible for integrating book data throughout site, and writing services to ingest book data from multiple sources.

- Part of team that developed and maintained a distributed rate limited per API data-fetching service written in Clojure that returned book data in a common format. Used throughout site to refresh book data

▼ 🏠 ShowcaseIDX - **Software Engineering Co-op** *(June 2015 - February 2016)*

- Responsible for Multiple Listing Service data pipeline that imported and cleaned data from over 60 MLS feeds and made over 5 million listings available on realtor's websites to search using Elasticsearch.