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Ryan Voong

Languages and Technologies

- Javascript; Typescript; React 18; NodeJS; Express 4; MongoDB; Mongoose; PostgreSQL; Firebase; AWS Lambda; AWS CloudFront; AWS API gateway; HTML; CSS; Tailwindcss; Git; GitHub; GitHub Actions; DynamoDB; Mocha; Chai; Supertest

Projects

PolishByCin: https://www.polishbycin.com   2024

- Deployed full stack web-application for booking appointments for a beauty service (nail services)
- Built with typescript (ReactJS, ExpressJS), PostgreSQL, and Tailwindcss
- API developed using RESTful architecture
- Optimized email notification feature resulting in 50% reduction in notification delivery time
- Improved performance for photo gallery by caching response and reducing calls to Instagram API
- Developed with focus on different user experiences
- https://github.com/ryanpv/beauty-service-app

WorldAnime: https://mal-simplified.web.app/   2023

- Deployed full stack web-app that showcases information for anime titles, including their trailers
- Built with ReactJS, Express, Firebase, and Cloud Firestore database
- Deployed with Firebase Hosting and Firebase Functions with Continuous Integration/Continuous Delivery (CI/CD) pipeline through GitHub Actions
- Optimized for scalability with CRUD operations through data caching and pagination
- https://github.com/ryanpv/mal-simp-api / https://github.com/ryanpv/mal-simp

Video Streaming Server: 2023

- https://github.com/ryanpv/node-video-streamer **/ BLOG:** https://ryanvoong.dev/#/blogs/expressjs-video-streaming-server-with-aws
- Express server that securely streams videos through AWS CloudFront signed URLs
- Optimized performance by converting media to use HLS (HTTP Live Streaming) protocol to stream video content
- Optimized performance and scalability by using CloudFront CDN and edge-optimized API gateway
- Built with AWS services: CloudFront, API gateway, Lambda

Reddit Bookmark Manager: 2022-2023

- https://github.com/ryanpv/reddit-bookmark-manager-client / https://github.com/ryanpv/reddit-bm-api
- Full stack web-app built with ReactJS and Express that allows users to sync Reddit their reddit account and organize saved posts in custom categories
- Improved performance by implementing pagination for fetched data from Reddit API and MongoDB

Additional Experience

- Provided leadership as a Registered nurse clinic coordinator for COVID-19 mass vaccination public health clinic with 20-25 staff and nearly 1000 clients daily (2020-2022)   2016-Current
- Provided training and mentorship to registered nurses in an acute care hemodialysis setting