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Ryan Voong

Languages and Technologies

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

Projects

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
- Implemented pagination for fetched data from Reddit API and MongoDB

NodeJS File Encryptor-Decryptor: https://github.com/ryanpv/node_file_encrypt-decrypt   2023
- Utilized the crypto node module to build an Express app with EJS allowing users to concurrently encrypt/decrypt contents of single or multiple files at once. Reduce processing time by approximately 50%

NodeJS Appointment Scheduler: https://github.com/ryanpv/nodejs-appointment-scheduler   2023
- Express app that allows users to book and/or cancel appointments and keep track of them
- Integrated Nodemailer to implement automatic email notifications upon user bookings and cancellations
- Integrated ExcelJS to export data to an excel sheet for admin organizational use

Pet Finder App: https://github.com/ryanpv/pet-finder-api   2023
- Express app that allows client to query the PetFinder API for adoptable dogs and cats within USA and Canada
- Cache implementation for fetched filter data to reduce calls to API for better performance

NodeJS Expense Tracker: https://github.com/ryanpv/nodejs-expense-tracker   2023
- Express app to tracker user monthly spending with additional categorization and reduced personal spending by approximately 30%
- Optimized for scalability through caching and paginating data from MongoDB with CRUD operations

Covid Tracker App: https://github.com/ryanpv/covid-tracker-api   2022
- Utilized RAPID-API to retrieve data for global COVID-19 infection statistics

Personal Portfolio Site: https://ryanvoong.dev
- Personal portfolio site to organize my projects and keep track of my progress

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