

Languages and Technologies

- Javascript; Typescript; React 18; NodeJS; Express 4; MongoDB; Mongoose; PostgreSQL; 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