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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

World	Anime: 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 S	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	
	Bookmark Manager:	2022-
•	https://github.com/ryanpv/reddit-bookmark-manager-client / https://github.com/ryanpv/reddit-bm-api	2023
•	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	S 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 Fin	der 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	2022
	S 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	2022
Covia i	Tracker App: https://github.com/ryanpv/covid-tracker-api	2022
Dorcon	Utilized RAPID-API to retrieve data for global COVID-19 infection statistics al Portfolio Site: https://ryanvoong.dev	
•	Personal portfolio site to organize my projects and keep track of my progress	
Additio	onal Experience	
•	Provided leadership as a Registered nurse clinic coordinator for COVID-19 mass vaccination public health	2016-
	clinic with 20-25 staff and nearly 1000 clients daily (2020-2022)	Current
•	Provided training and mentorship to registered nurses in an acute care hemodialysis setting	