

Andy Chow

✉ andychow94@gmail.com

📞 (510) 688-0249

📍 Union City, California (Open to Relocate)

andychow.com 📄

linkedin.com/in/andychow94 🌐

github.com/andychow94 🔄

Technical Skills

Code: Javascript (ES5 and ES6), React, Next.js, HTML, CSS, Node.js, Express

Databases: MongoDB, PostgreSQL, MySQL

Technologies: AWS, EC2, S3, Postman, Redis, New Relic, Tableau, Netsuite, git, npm, Webpack, Babel, Google Geocoding API, Yelp API, Weather.gov API, NGINX, Styled Components

Testing Suites: Jest, Superset, Mocha, Chai, k6, Loader.io

Software Engineering Applications

Full-Stack Software Engineer | Virtual Casino | github.com/Luck-Larry/LUCKY-LARRY-S 2022

Mobile-friendly gambling games with Login, Leaderboard, and Live Chat Room functionalities

- Collaborated on an Agile team with 7 engineers to implement new features and to produce an MVP in 7 days
- Developed the Slots game in **React** with ability to select bet amount & up to 3 slot machine lines to play
- Added **CSS** slot spinning animations that flashes a winning message and updates money balance after spinning
- Adjusted slot chances in **Javascript** with 50% to match in 2nd column and 20% to match 3rd column if first 2 columns match in order to create an illusion of winning and to get players hooked

Back-End Software Engineer | REST API for Reviews | github.com/Adventure-Time-Org/reviews 2022

Upgraded a monolithic e-commerce backend to be able to scale and withstand webscale traffic

- Converted an existing legacy backend into a service-oriented architecture using ETL process to extract, transform, and load over 5 million records into a **PostgreSQL** database
- Reduced **PostgreSQL** query time from 2s to 50ms by creating indexes in the database
- Reduced client response time from 300ms to 110ms with **Redis** Caching and **NGINX** load balancer running round robin to distribute load across 4 **EC2** instances while handling ~1,200 RPS with less than 0.1% error rate
- Conducted load testing with **Loader.io** and used **New Relic** to monitor & identify possible optimizations

Front-End Software Engineer | eCommerce Clothing Shop | github.com/HR-Zelda/retail-app 2022

Created the Related Products component on a shopping page in an agile team environment

- Cached “liked” items locally to render saved items carousel while users browse
- Queried reviews **API** and overlaid average rating as stars up to a hundredth decimal place
- Fetched and rendered related products in **React** image carousel

Full-Stack Software Engineer | Food Trip Planner | github.com/andychow94/Chowz 2022

Searches and saves local restaurants based on address or zip code

- Retrieved user location using Google’s Geocoding API to generate restaurant choices with Yelp’s Fusion API and weather forecast using Weather.gov API
- Stored date, time, and restaurants from search results in **MongoDB**

Professional Experience

Wish (Contextlogic, Inc.) - Oct 2019 to May 2022

Revenue Accountant

Apr 2021 - May 2022

- Trained 10 revenue and inventory accountants to optimize processes and reduce workload by 25%
- Supervised revenue associates’ journal entries to ensure hard deadlines were met

Jr. Revenue Accountant

Oct 2019 - Apr 2021

- Led projects to create internal revenue reports in collaboration with data analysts & software engineers
- Played an integral part in IPO process by completing revenue quarterization and audit deliverables

Education

Hack Reactor | Advanced Software Engineering Certificate 2022

University of California, Davis | B.S. Managerial Economics | Computer Science Minor 2016

Computer Architecture, Theory Computation, Programming Languages,
Computer System & Assembly Language, Data Structures & Algorithms