Andy Chen

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TECHNICAL SKILLS

Front End | Html, Css, React, Redux Javascript, MaterialUI
Back End | Node.js, Express, MongoDB, PostgreSQL, MySQL, Restful API Development
Testing / Development | Jest, Mocha, Chai, AWS: EC2
Developer Tools | Git, npm, Webpack, Babel, Agile Methodology

SOFTWARE APPLICATIONS

Liquid Hackathon 2.0 *- Awarded 3rd place - Fullstack Engineer/Product Manager*
- Led a team of three by planning the website layout using Figma, assigning roles using Trello, and coming up with the idea behind the project.
- Put together a website that scraped Youtube and Amazon to create a survey that would help PC gamers find their 'perfect' gaming mouse based on preferences of mouse grip, weight, size, brand, and more.
- Utilized React and Redux to filter out a database and create a dynamic mouse 'results' dashboard that shows the user's 'desired' mouse as well as it's Amazon Ratings and it's most popular youtube mouse review video.

Blue Ocean Project - Jobify - *Fullstack Engineer*
- Implemented a job seeker dashboard with full CRUD functionality and built a personal calendar/ to-do list for each user.
- Utilized Firebase Google Authentication and PostgresQL to separate different user types.
- Leveraged React Router library to build a single-page application with client-side routing, preventing unnecessary server requests and decreasing page load speeds by 50%. This helped make it easy to navigate between job seeker and employer routes.

E-Commerce Store - *Frontend Engineer*
- Built a website that allows users to pick a product, see related products, reviews, and browse through questions and answers from existing/previous customers using React.js, Node and Express.
- Increased lighthouse performance score from 60 to 90. Decreased load times from 50ms to 5ms with compression middleware, image placeholders, and image compressions.
- Architectured the React frontend service that displays a photo carousel and pop-up modal which serves data from an external RESTful API backend.

Project Catwalk - *Backend Engineer*
- Scaled server to handle up to 750 clients per second using loader.io, and nginx using an AWS EC2 instance.
- Improved query times from 3s to 1s by creating indexes on primary keys of each table and using query planners to identify bottlenecks.
- Used pgAdmin, raw SQL queries and Sequelize to complete the ETL process to transfer data from local server to EC2 instance, reducing response times for queries from 30+ seconds to 40ms.

WORK EXPERIENCE

REPS & Co.   San Diego, CA
Market Analyst   *January 2019 – March 2020*
- Managed a $2.1 million portfolio of music concert tickets and brought in $900k of total profit for the company in 2 years.
- Utilized MySQL and ModeAnalytics to sort, filter, and analyze 2 years of music concert ticket data, which helped speculate whether ticket prices would rise or fall in the future and improved business performance dramatically.
- Trained and managed a team of 3 in Mexico/Philippines to help run one of the company's most successful and profitable acquisition teams.

EDUCATION

Hack Reactor   Los Angeles, CA
Immersive Software Engineering Bootcamp   *November 2021*

University of California, San Diego   La Jolla, CA
Bachelor of Art in Economics   *December 2018*
Business Minor with a concentration in Finance

Certificates: General Assembly – Data Analytics course with Excel/SQL/Tableau