ANDREW COHEN

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SKILLS

Javascript, Python, Node.js, React, Redux, SQL, PostgreSQL, Flask SQLAlchemy, Git, HTML, CSS, Pug, JSX, TailwindCSS, Docker

PROJECTS

ARTIZEN   (ReactJS, Redux, Python, React-Google-Maps-API Flask, SQLAlchemy, PostgreSQL, Docker, CSS, AWS)   live | github

Community driven street art aggregator inspired by MapMyRun that leverages several Google Maps API packages.

- Integrated Google Maps API with geocoding and route creation to display art locations and allow users to create planned routes to visit them
- Implemented a combination of javascript array methods and local state manipulation to temporarily add/remove art locations to a user's lists before submission.
- Systematically implemented user testing to locate functional and console errors bugs as well as create a smooth UX

LESSONBLOCK   (ReactJS, Redux, Python, Flask, SQLAlchemy, PostgreSQL, Docker, CSS, AWS, TailwindCSS)   live | github

EdTech platform inspired by Khan Academy that allows instructors to create new video courses and students to enroll through a marketplace

- Dynamically rendered a dual-auth UI / UX between instructors and students by leveraging React's dynamic permission handling and boolean database columns.
- Isolated PostgreSQL's functionality with Docker to increase portability between development and production hosting on Heroku.
- Considering the trade-off between hosting video data vs. isolating the concern to a 3rd party, implemented React Player to reduce server load overall and allow for flexible, scalable, multi-channel video display.

ROCK THE CRADLE   (ReactJS, Redux, ExpressJS, PostgreSQL, Sequelize, Tailwind CSS, AWS)   live | github

E-Commerce platform inspired by Rent the Runway for newborn couture fashion and equipment items for rent

- Deployed an inventory management system that harnesses Redux's unidirectional data flow to reliably track rental inventory
- Built a dynamic and powerful backend database architecture that parlays Sequelize and PostgreSQL's handing of Many-to-Many relationships to reduce the number of tables by 20%.
- Leveraged AWS cloud computing to ensure consistent availability of image data and optimize database performance by reducing the computational tax on local database

BAD READS   (Javascript, ExpressJS, PostgreSQL, Sequelize, Pug, CSS)   live | github

Review & rating app for books that are terribly rated inspired by Good Reads

- Employed Agile methodology and leveraged Github's Kanban board to effectively ensure team deliverables met performance and sprint targets as SCRUM master
- Connected PostgreSQL with Sequelize ORM to handle validations and database queries
- Dispatched pair programming driven development and proper Git workflow for 100% of app development resulting consistent codestyling and just one merge conflict

EXPERIENCE

President | Co-owner

CoCo Backstage Hospitality   Aug 2016 - Mar 2020

- Designed and executed backstage hospitality programs for high profile clients such as Elton John, Live Nation, AEG Live and MGM Resorts and Firefly Music Festival to drive yearly revenue sales of $600k/year
- Hired, trained and managed team to meet the demands of a dynamic and informationally sensitive work environment

EDUCATION

Web Development - *App Academy* | *2020 - 2021*

BS Mass Communications (minor in Business Administration) - *Towson, University* | *2006 - 2010*