CHALON LUBIN

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TECHNICAL SKILLS

Frontend: JavaScript ES6, Typescript, React, React Native, HTML, CSS
Backend: Python, Flask, Node.js, Express, SQL
Frameworks & Libraries: jQuery, Axios, SQLAchemy, PostgreSQL, Bootstrap, Tailwind, MaterialUI, DaisyUI, SASS
Developer Tools: Git, Github, Insomnia, Jest, Python Unittest, React Testing Library, Figma, Webflow, Agile

SOFTWARE ENGINEER EXPERIENCE

Software Engineer Internship | Python, Flask, SQLAlchemy, React, React Native, Postgres, SQL   *Feb '23 - March '23*
Numbers API   Remote

- Rebuilt a RESTful API with an average 100k monthly requests that utilized a JSON database and JQuery / JavaScript to a Flask (Python) powered backend, with a React.js frontend resulting in increased stability and efficiency all around
- Constructed an admin interface that was accessible through the frontend, allowing the authenticated admin have access to CRUD actions which would immediately reflect in the database, including approval and denial of user submitted facts
- Implemented mobile app using React Native that calls the API to present a randomized number fact for the user
- Achieved 100% testing coverage for the backend by the end of the rebuild

TECHNICAL PROJECTS

Friender | Node, Express, Postgres, React, SQL, Render   Live Demo | Github
Fullstack Friend Matching App

- Produced a swiping feature utilizing a custom built algorithm that retrieved the next possible match while considering user proximity preferences, and potential match geographical distance
- Leveraged Amazon Web Services S3 buckets to store photo uploads from users

Jobly | Node, Express, Postgres, React, SQL, Netlify   Live Demo | Github
Fullstack Job Board App

- Developed a RESTful API with Node.js and Express, containing database models with backend data validation via JSON schemas, built with a test-driven development approach
- Managed authorization and authentication by utilizing middleware with JSON web tokens and password encryption with BCrypt

Warbler | Python, Flask, Postgres, SQLAchemy, Railway   Live Demo | Github
Fullstack Social Media App

- Added new feature for liking messages to full-stack mock social media site, using CSRF-protected AJAX requests
- Achieved authorization and authentication using Flask session, g and BCrypt for password hashing
- Built user following/followed-by feature and presentation utilizing varying degrees of SQL queries to power the application

ADDITIONAL WORK EXPERIENCE

Bar Manager   *Apr '21 - Oct '22*
Worthy Brewing   Bend, OR

- Spearheaded development of innovative and seasonal cocktail menu, adjustment of menu pricing and items, and negotiations with vendors, resulting in a minimum ~30% monthly increase in net profit over the course of time as the manager
- Automated liquor inventory counting by leveraging Toast, comparing sales to expected inventory left, allowing the company to account for inventory loss
- Created standards of procedure for the manager position, allowing for smooth future transitions

Program Director   *Jan '16 - July '20*
CHOICES, Inc.   Anchorage, AK

- Secured ~$350,000 in federal funding to launch a new program with the goal of stabilizing and securing housing for mentally ill individuals experiencing homelessness
- Represented agency in meetups, resulting in positive lasting relationships with mutual benefits including those with the city, housing providers, fire department, police department, and two local credit unions, often providing fundraising benefits
- Implemented Medicaid billing, increasing program funds by ~20% on average per year

EDUCATION

Rithm School   *Oct 22' - March '23*
Full-stack Web Development   San Francisco, CA
University of Colorado   *June '13*
Bachelor of Arts in Communication   Boulder, CO