

# CHALON LUBIN

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## SKILLS

**Frontend:** JavaScript (ES6), Typescript, React, React Native, HTML, CSS

**Backend:** Python, Flask, Node.js, Express, SQL, MongoDB

**Frameworks & Libraries:** SQLAlchemy, PostgreSQL, Mongoose, jQuery, Axios, Bootstrap, Tailwind, MaterialUI, SASS

**Developer Tools:** Git, Github, Insomnia, Jest, Python Unittest, React Testing Library, Stripe, Figma, Webflow, Agile Development

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## TECHNICAL EXPERIENCE

**Software Engineer Intern** | Python, Flask, SQLAlchemy, React, React Native, Postgres, SQL

Feb 2023 - March 2023

*Numbers API*

Remote

- Rebuilt a RESTful API handling on average 100k monthly requests by transitioning from a JSON database and jQuery/JavaScript frontend to a Flask (Python) backend and React.js frontend, enhancing stability and efficiency
  - Created an admin interface accessible through the frontend, enabling authenticated admins to perform CRUD actions and approve or deny user-submitted facts
  - Developed a React Native mobile app to present randomized number facts to users
  - Maintained 100% testing coverage for the backend throughout the rebuild
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## TECHNICAL PROJECTS

**Jobly** | Node, Express, Postgres, React, TypeScript, SQL, Netlify

[Live Demo](#) | [Github](#)

*Full-stack Job Board Application*

- Designed and developed a JSON returning RESTful API with Node.js and Express backend, containing database models with validation via JSON schemas, while maintaining 95% coverage
- Implemented authorization and authentication by use of JSON Web Tokens (JWT) and storing them in local storage on the frontend
- Crafted object-oriented models to encapsulate database operations and produce consistent, reliable SQL queries
- Converted React frontend to TypeScript after implementation, increasing readability and maintainability

**Friendr** | Node, Express, Postgres, React, SQL, Render

[Live Demo](#) | [Github](#)

*Full-stack Friend Matching Application*

- Engineered a custom matching algorithm considering user proximity preferences and geographic distance to enhance user experience and matching accuracy
- Leveraged Amazon Web Services S3 buckets to store photo uploads from users

**Warbler** | Python, Flask, Postgres, SQLAlchemy, Railway

[Live Demo](#) | [Github](#)

*Full-stack Social Media Application*

- Developed user following and message liking features using many-to-many database relationships with SQLAlchemy
  - Conducted unit and integration tests for HTML templates (Jinja) and request status codes, achieving 98% coverage
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## PROFESSIONAL EXPERIENCE

**Bartender, Bar Manager**

Apr 2021 - Oct 2022

*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 bar manager
- Revamped liquor inventory process by leveraging Toast to compare sales to expected inventory left, allowing the company to account for inventory loss as well as streamline the inventory process with technology, saving time and money
- Improved general working conditions informed by use of a staff survey, resulting in increased staff buy-in to company culture and reducing turnover by 100%

**Case Manager, Mental Health Program Director**

Jan 2016 - July 2020

*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
  - Fostered lasting relationships with city officials, housing providers, fire and police departments, and local credit unions through community representation, often resulting in fundraising benefits
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## EDUCATION

**Rithm School** | Full-stack Software Engineering Certificate

March 2023

**University of Colorado** | Bachelor of Arts, Communication

June 2013