

Julie Han

Full Stack Software Engineer

[LinkedIn](#) | [GitHub](#) | [Portfolio](#)

New York, NY, USA

1 (917) 771-4917

hello@juliehan.me

Fully authorized to work in the US.

No visa sponsorship required.

SOFTWARE ENGINEER EXPERIENCE

Software Engineer Intern @ Numbers API

September 2022 – present | San Francisco (Remote)

- Overhauled a public API's legacy **Express Node.js** codebase to a modular **Flask Python** with Blueprint, collaborating in a team of 10 engineers led by seasoned instructors
- Developed high-quality, scalable & reusable production-ready code following modern software development practices in **Agile & Git** (PRs, code reviews, source-control)
- Optimized & improved error checking/handling to cover 100% of unresolved errors
- Implemented **unittest** tests, resulting in 94+% coverage globally & 100% on all routes
- Re-engineered 50% of all API routes & **PostgreSQL** database models to optimize querying
- Automated subscription email tasks with **Cron** & Crontab & added **Jinja** templating
- Created extensive, highly detailed documentation to improve code readability
- Debugged application components with PyTest & Chrome Dev tools and identified areas of code defects and potential risks for future remediation/issues

TECHNICAL PROJECTS

ShareBnB — a booking app

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

- Created an Airbnb-inspired space sharing dynamic site using **JavaScript, React.js, Express.js, Node.js, AWS S3** and **PostgreSQL**
- Measured progress and budgeted accurate feature estimates to ensure on-time deliverables

Jobly — a job board app

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

- Created a job application site built on a stateful **React.js** frontend and **Node.js/Express.js/PostgreSQL.js** backend
- Focused on TDD/test-driven development, unit/integration tests, test coverage, OOP, RESTful API and component design

Warbler — a microblogging app

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

- Created a Twitter clone using **Python, Flask, SQLAlchemy**
- Reviewed and refactored an existing base application: navigating the codebase, debugging critical system errors, researching, designing & implementing new features, and improving test coverage by 600%

ADDITIONAL WORK EXPERIENCE

Co-Founder & CEO @ Airix Solutions

March 2017 – March 2020 | Montréal, QC, Canada

- Created, launched, and led Airix, a Canadian pharmacy medication management and patient interfacing mobile app startup, with the goal to improve patient pharmacy accessibility
- Designed and built a brick-and-mortar tech-enabled pilot pharmacy from the grounds up
- Secured contracts and permits with pharmacy distributors, legislators, and partners
- Raised capital and procured mentorship opportunities with private investors, BMO, BDC and Futurpreneur
- Recruited and hired >15 employees and contractors through product stage and launch

Clinical Pharmacist @ Gregoire Arakelian Pharmacies (Costco)

August 2012 – December 2018 | Brossard, QC, Canada

- Oversaw & trained a team of 10 pharmacy support staff, upholding exemplary standards in healthcare practice
- Spearheaded the creation of 20+ local decision-making tools & guidelines, improving workflow efficiency

TECHNICAL SKILLS

Programming Languages:

JavaScript | Typescript | Python, HTML | CSS | SQL

Frameworks:

React.js | Express.js | Flask

Testing Tools:

Jest | Jasmine | unittest | Insomnia

Libraries, Databases & IDEs:

Node.js | PostgreSQL | SQLAlchemy | jQuery | AWS S3 | Firebase | Git | Bootstrap | Figma | VS Code | Vite | GraphQL | MongoDB |

EDUCATION

Rithm School

June 2022 – October 2022

San Francisco, CA

Full Stack Web Development

Université Laval

Bachelor of Pharmacy

LANGUAGES

French | English | Mandarin Chinese