CATHERINE KIM

(929) 777-8410   catkimyj@gmail.com   Seattle, WA   **PORTFOLIO**   **GITHUB**   **LINKEDIN**

Senior Software Engineer, Full Stack, *Pager*   Nov. 2023 - Present

Software Engineer, Full Stack, *Science 37*   Feb. 2023 - Nov. 2023
As of February 2023, Vault Health was acquired by Science 37
Tech Stack: React/Redux, FastAPI, SQLAlchemy, PostgreSQL, Redis, AWS
- Developed the scheduling platform to create a more robust appointment management system for clinical trials
- Authored front-end & back-end feature code, accompanied by rigorous test code (Cucumber/Behave, Pytest), to optimize system performance and reliability
- Ensured accurate design implementations and actively facilitated design discussions to ensure consistent user experience
- Conducted comprehensive code reviews to elevate code quality and maintain high standards of code hygiene
- Worked with Github Actions, Harness pipelines, and AWS for streamlining software delivery

Software Engineer, Full Stack, *Vault Health*   Mar. 2021 - Feb. 2023
Tech Stack: React/Redux, Flask, FastAPI, SQLAlchemy, GraphQL, PostgreSQL, Redis, AWS
- Developed React and Flask-based web application that adheres to CFR Part 11 Validation requirements for telehealth scheduling and communication, EMR management, and placement of orders for healthcare products
- Wrote front-end & back-end features and test code (Jest, Cypress, Pytest) for scalability, security, and reusability
- Monitored, triaged, and investigated heartbeats and production-level errors as part of ops lead rotation
- Updated team documentation for centralized information on team projects, team knowledge, and tech specs
- Conducted fullstack engineering interviews and onboarded incoming associate to senior level software engineers

Key Projects
- Designed and led the revamping of the company marketing website by ensuring technical feasibility of UX/UI design, building React components, and integrating with Contentful for easy content management
- Owned and implemented scheduling for a new mental health service via third-party APIs, Workpath and Acuity
- Created online patient forms for Covid workplace compliance tool, sold to employers to be used for keeping track of employees' Covid status
- Designed and implemented integration of a new 3PL fulfillment service and scheduled cron job to send SQS messages for retrieval of shipment data
- Drafted and finalized solution architecture for fulfillment routing service
- Initiated and organized Code Reading Club, where junior to senior engineers were encouraged to bring an interesting code snippet to discuss, and team tech debt meeting that focused on refactoring and maintaining code hygiene

Founder / Front End Developer, *Forsythia Studio*   Aug. 2017 - Dec. 2019
- Designed and constructed front-end components and created all graphics for the company website
- Oversaw traffic analysis and managed e-commerce website, automated emails, and social platforms
- Regularly communicated with factories, freelancers, contractors, PR teams, and agencies
- Designed 25+ garments per collection for at least two collections per year

First Creative Pattern Maker, *Marchesa*   Nov. 2018 - Nov. 2019
- Drafted patterns for 10+ garments per season for six collections per year, and supervised the processes and execution of garment creation to reduce margin of error in technical fit while managing 6+ sewers, mentoring 3+ interns and a junior pattern maker in technical and non-technical skills in the atelier

Assistant Designer / First Pattern Maker, *Christian Siriano*   Sept. 2013 - Mar. 2017
- Assisted in design execution and worked closely with founder Christian Siriano while patterning garments, managing the studio, and communicating with the production team for efficient garment production

SKILLS

JavaScript, TypeScript, Python, Ruby, HTML, CSS/SCSS | React, Redux | FastAPI, Flask, Ruby on Rails, Django, Node.js, SQL, GraphQL, jQuery, PostgreSQL, MongoDB | Docker, AWS, NewRelic, Retool | Figma, Photoshop, Illustrator

EDUCATION

Software Engineering - *App Academy*   Graduated July 2020
BFA in Fashion Design | Minor - Art History, French - *Fashion Institute of Technology*   Graduated May 2013
Dietetics Program - *James Madison University*   Aug. 2007 - May 2009