

CATHERINE KIM

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Lead Software Engineer, Full Stack, *Pager* Jan. 2025 - Present

- Directed cross-team feature initiatives, driving solution architecture and RFC execution, translating designs into actionable workstreams, and serving as the primary technical liaison between engineering and product
- Created and led structured pre-launch bug bashes to strengthen quality gates; practice scaled across teams following measurable impact
- Created and institutionalized a standardized developer testing checklist and QA note framework, streamlining SDET handoffs and reducing testing friction across feature releases
- Leveraged AI-assisted code analysis and documentation tools to improve review efficiency and surface defects earlier, adhering to strict data confidentiality practices

Senior Software Engineer, Full Stack, *Pager* Jan. 2024 - Jan. 2025

- Authored solution architecture documentation and RFCs for cross-functional initiatives, defining technical approach, integration boundaries, and rollout strategy
- Owned end-to-end feature delivery across frontend and backend systems, contributing to cross-layer architectural decisions and ensuring cohesive system design
- Improved developer experience for internal SDK contributions by building a local integration test project that allowed endpoint validation without full environment deployment, streamlining iteration, and accelerating development cycles

Software Engineer, Full Stack, *Science 37* Feb. 2023 - Nov. 2023

As of February 2023, Vault Health was acquired by Science 37

- 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 a consistent user experience
- Worked with GitHub Actions, Harness pipelines, and AWS for streamlining software delivery

Software Engineer, Full Stack, *Vault Health* Mar. 2021 - Feb. 2023

- Built and scaled a CFR Part 11-compliant React + Flask telehealth platform supporting scheduling, EMR workflows, and healthcare product ordering across multiple service lines
- Led development of end-to-end features with robust test coverage (Jest, Cypress, Pytest), improving release confidence and reducing production defects
- Designed and implemented 3PL fulfillment integration and SQS-based shipment processing system, improving order routing reliability and automation
- Participated in production ops rotation, monitoring system health, and resolving high-priority incidents to maintain platform stability
- Conducted full-stack engineering interviews and onboarded engineers across levels; initiated Code Reading Club and tech debt forums to elevate code quality and team standards

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

Assistant Designer / First Pattern Maker, *Christian Siriano* Sept. 2013 - Mar. 2017

SKILLS

JavaScript, TypeScript, Python, Ruby, SQL | React, Next.js, Redux, Tailwind CSS | Node.js (Fastify, NestJS), FastAPI, Flask, Rails, Django, GraphQL, TypeORM | PostgreSQL, MongoDB, Redis | Jest, Cypress, Cucumber, PyTest | Terraform, Docker, Kubernetes, AWS, GCP | NewRelic, Figma

EDUCATION

Software Engineering - *App Academy* Graduated July 2020

BFA in Fashion Design | Minor - Art History, French - *Fashion Institute of Technology* Graduated May 2013