

# CATHERINE KIM

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- Staff Software Engineer, Full Stack, *Pager*** Jan. 2026 - Apr. 2026
- Lead Software Engineer, Full Stack, *Pager*** Jan. 2025 - Dec. 2025
- 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