

CATHERINE KIM

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EXPERIENCE

Pager Health

Staff Software Engineer

Jan. 2026 - Apr. 2026

Lead Software Engineer

Jan. 2025 - Dec. 2025

- Drove 5+ multi-team feature initiatives as engineering lead, authoring solution architecture and execution strategy
- Led a six-week modernization of a legacy rewards platform, rebuilding its React and Node.js services while designing an agentic development workflow with specialized AI agents and reusable skills to accelerate delivery of a client-ready demo that supported retention efforts
- Processed 100K+ production records by designing and implementing a scalable Cloud Run-based consumer for a GCP Pub/Sub ingestion pipeline, architecting downstream processing and data persistence through Kubernetes and Terraform-managed infrastructure. Authored system diagrams that accelerated team onboarding
- Shaped frontend architecture standards with engineering leads, establishing React and Tailwind CSS best practices and evaluating generative code tools (Figma's code generation, AI-assisted development) to inform strategy
- Established and institutionalized test-readiness framework and engineering-to-QA handoff, adopted beyond the originating team, reducing QA bottlenecks and allowing engineers to ship with greater autonomy

Senior Software Engineer

Jan. 2024 - Dec. 2024

- Enhanced developer experience across five teams by building a local SDK integration test project that eliminated full-environment deployments for endpoint validation so engineers could test changes locally and iterate independently
- Surfaced data hygiene and integrity deficiencies in Node.js backend services and shared libraries; refactored to standardize validation and normalization while adding secure observability with Google Cloud Logging
- Identified gaps in pre-release testing and launched gamified bug bashes that surfaced 10+ integration defects per session before production; the practice was later adopted by other teams

Science 37 (via Vault Health acquisition)

Software Engineer

Feb. 2023 - Nov. 2023

- Implemented trigram-based fuzzy search to address exact-match limitations, enabling partial and misspelled queries and increasing record discoverability
- Shipped React-based scheduling and appointment-management platform with Flask backend services, integrating AWS and comprehensive testing (Pytest, Cucumber/Behave) to improve deployment reliability

Vault Health

Software Engineer

Mar. 2021 - Feb. 2023

- Led the design and implementation of an Amazon SQS-based shipment-processing system and 3PL fulfillment integration, automating order routing and reducing fulfillment failures
- Directed a team of three engineers to deliver an expedited marketing-site revamp using a headless CMS, giving marketing stakeholders the ability to manage site copy independently and launch on a compressed timeline
- Engineered and scaled a containerized production telehealth platform (Docker) supporting scheduling, EMR, and product-ordering workflows across multiple service lines, with comprehensive automated testing (Jest, Cypress, Pytest)
- Coordinated production deployments and organization-wide release readiness; monitored system health using AWS Logs and New Relic, participating in on-call ops to resolve high-priority incidents and maintain platform stability
- Conducted 12+ full-stack engineering interviews and onboarded six engineers across seniority levels
- Established a Code Reading Club and technical-debt forums to elevate code quality and engineering standards

Forsythia Studio

Founder / Developer

Aug. 2017 - Dec. 2019

SKILLS

Languages: TypeScript, JavaScript, Python, Ruby

Frontend: React, Next.js, Redux, Tailwind CSS

Backend: Node.js, Fastify, NestJS, Flask, FastAPI, Django, GraphQL, TypeORM, Rails

Data: PostgreSQL, MongoDB, Redis

Testing: Jest, Cypress, Pytest, Cucumber/Behave

Cloud & Infrastructure: AWS, GCP, Terraform, Docker, Kubernetes, GitHub Actions, Harness

Tools: Claude, Cursor, New Relic, Figma

EDUCATION

Software Engineering - *App Academy*

Graduated July 2020

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

Graduated May 2013