Jeffrey Chen

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Experience

Software Engineer *Manhattan, NY*
Garner Health *February 2026 – Present*

- Redesigned and shipped usage telemetry in Go and PostgreSQL, streaming to Snowflake via Debezium CDC.
- Built an in-app rating prompt in React Native, growing iOS ratings from ∼120 to 2,000+ (3.6 to 4.7 avg).
- Shipped an email one-time-passcode flow for support to verify members, spanning 5 repositories.
- Ported web features to React Native (iOS, Android, iPad), extracting shared TypeScript packages.
- Added dependency caching to GitLab CI/CD, removing a job and cutting another from ∼6 to ∼1 minute.
- Help pilot the inaugural New Grad Rotation Program; mentor new engineers and interview candidates.

Software Engineer Intern *Manhattan, NY*
Pupil *October 2023 – May 2024*

- Improved perceived load time by 25% using preloaders and state-based rendering for smooth startup.
- Replaced deprecated carousel library, cutting initialization time by 45% and improving page responsiveness.
- Reduced carousel bundle by ∼400KB, improving load time and Lighthouse performance metrics.
- Reduced image load delays by 20% and increased carousel engagement by 15% via preloading and autoplay.

Projects

Personal Website | *JavaScript, HTML, CSS, Canvas, Web Workers, Cloudflare* *2026*

- Developed a personal website with project showcases, about me, and resume with 1500+ impressions.
- Rebuilt my site with no framework: animated Delaunay background, photos geometrized in Web Workers.
- Deployed to Cloudflare Pages via GitHub Actions, with PR previews and the LaTeX resume built on deploy.

Sales Insights Agent | *Python, Google ADK, Vertex AI, BigQuery ML, BQML* *2025*

- Built a multi-agent data science workflow on top of Google's Agent Development Kit (ADK) to ingest, clean, and analyze cosmetic sales data.
- Integrated sub-agents/tools to automate SQL querying, advanced analytics, and predictive modeling.
- Implemented retrieval-augmented generation (RAG) for context-aware insights and natural-language querying of sales data.

Sales Analytics API | *Java, Spring Boot, JPA, H2, Maven, JUnit, Git* *2025*

- Built a RESTful backend for cosmetic sales data with CRUD operations, validation, and exception handling.
- Designed a layered Spring Boot architecture with JPA repositories, services, and global error handling.
- Wrote unit and integration tests with JUnit and Mockito across the service and controller layers.

Technical Skills

Languages: TypeScript, JavaScript, Go, Python, Java, SQL, HTML, CSS
Frameworks: React Native, Expo, React, Next.js, Node.js, Spring Boot, Tailwind CSS
Data & Cloud: PostgreSQL, Snowflake, Debezium, BigQuery, AWS (Cognito, S3, Lambda), Docker
Tooling: GitLab CI/CD, GitHub Actions, Turborepo, pnpm, Storybook, Chromatic, LaunchDarkly
Platforms: Datadog, Grafana, PagerDuty, Contentful, Iterable, Figma, Jira, Confluence
AI Tools: Claude Code, Cursor, Gemini, Kiro, ChatGPT, Perplexity, MCP, Git worktrees

Education

New York University *Manhattan, NY*
Master's in Cybersecurity *Jan 2026 – May 2029*
Bachelor's in Computer Science *Sept 2020 – May 2024*