

Peter Ngo

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EXPERIENCE

Discover Financial Services

Chicago, IL

Software Engineer

October 2024 - Present

- Develop push authentication as an additional MFA method within a micro-frontend architecture, designing and testing the React-based UI while serving as the primary point of contact for QA and cross-functional teams to triage bugs and ensure a secure, user-friendly experience.
- Migrate legacy endpoint to a new service, leveraging Adobe Target to gradually ramp up user traffic and ensure a seamless transition.
- Enhance existing unit tests to include more code coverage using Jest, ViTest, React Testing Library in both the mobile and web application.
- Integrate Adobe Analytics tagging into the application to track user interactions and generate insights on site usage and engagement metrics
- Create and maintain a centralized documentation platform for teams onboarding onto our application.

Target Corporation

Minneapolis, MN

Software Engineer

September 2020 - October 2024

- Developed a modern B2B gift card e-commerce platform, replacing an outdated system that has been used for over 12 years and generates 500 million in revenue each year.
- Engineered 10+ RESTful APIs to modernize legacy platforms, enhancing core functionality and alleviating significant business pain points, leading to increased customer transactions.
- Designed and implemented core React components in the frontend application such as accounts, orders, and cart.
- Collaborated in a team of 4 engineers to migrate the frontend application from using Create React App(CRA) to Next.JS.
- Lead the design of a RESTful API to initiate customer refund requests, integrating with a Kafka pipeline for downstream processing leading to an increase in efficiency from customer request to refund fulfillment.
- Mentored two junior engineers, facilitating their team integration and accelerating their contributions through regular pair programming sessions and weekly syncs.
- Worked closely with engineers, product managers, and business partners throughout the entire development lifecycle, ensuring seamless integration from design through end-to-end testing.
- Conducted code reviews for junior and senior engineers to ensure code clarity, adherence to coding standards, and inclusion of unit tests and UI tests.

PROJECTS

Target Innovation Week Hackathon

Developer

August 2023

- Added seamless integration for adding Target gift cards to Apple Wallet, enhancing user convenience and digital wallet functionality.
- Implemented and automated an alternative to Apple's PassKit framework to manage certificates.
- Connected the team's current codebase to fetch gift card details to the new experience.

Smart Mirror

Sole Creator, Developer

July 2021

- Developed a visual, informative display using a Raspberry Pi and a computer monitor.
- Used the MagicMirror open source platform to display information including weather, time, create to-do lists, and more.

EDUCATION

Indiana University, Bloomington Indiana

Bachelor of Science in Computer Science

RELATED SKILLS

- **Languages (most to least proficient):** Javascript, Typescript, Kotlin, Java
- **Technologies:** React, NextJS, NodeJS, PostgreSQL, MongoDB, React Native, REST API, Git, CI/CD, Gradle, macOS, Cypress
- **Business:** Agile, Confluence, Jira