

Junyi Peng

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SUMMARY

Senior software developer with nearly 8 years building kroger.com, the online storefront of one of the largest grocery retailers in the US. Has owned revenue-critical customer flows end to end, from choosing how to shop (pickup, delivery, ship) through time-slot selection and checkout, and now builds the CMS-driven rendering layer that assembles site experiences from content data. Introduced AI-assisted engineering on the team with a multi-model code review workflow that orchestrates LLM coding agents.

SKILLS

- **Languages:** TypeScript, JavaScript (ES6+), HTML5, CSS3
- **Front end:** React (Hooks), Redux, Axios, Storybook, responsive design, React Native (personal projects)
- **Architecture:** CMS-driven (server-driven) UI, REST API integration, reusable component libraries, analytics instrumentation
- **Testing and quality:** Jest, React Testing Library, Playwright, A/B testing
- **AI-assisted engineering:** Claude Code, Codex CLI, Model Context Protocol (MCP), LLM gateways (LiteLLM)
- **Tools and process:** Git, Jira, Confluence, Kibana, Postman, Agile (Scrum), mentoring

EXPERIENCE

Kroger

Cincinnati, OH

Senior Software Developer (full-time)

Jan 2023 – Present

Software Developer (contractor)

Jan 2019 – Dec 2022

Dynamic Rendering team, 2023 – Present

- Build the client-side rendering layer that turns content-management-system (CMS) data into live kroger.com experiences, rendering 40+ CMS component types across the homepage, promotion and category pages so business teams can launch and change content without front-end releases.
- Designed a multi-model AI code review workflow at a manager's request, pairing Claude for implementation with Codex for review in a feedback loop, with structured JSON verdicts, a three-round limit, and isolated git worktrees.

Checkout team, 2022 – 2024

- Owned the time-slot selection experience, used by millions of pickup and delivery orders each month to choose a fulfillment window.
- Developed and maintained checkout processing on kroger.com, a revenue-critical flow, with unit tests in Jest and React Testing Library and end-to-end tests in Playwright.

Homepage team, 2019 – 2021

- Led cross-team delivery of the modality selector, the experience where customers choose Pickup, Delivery or Ship, built with React, Redux and Axios.
- Redesigned the responsive site navigation for desktop and mobile, populated dynamically from the CMS, and A/B tested three variants; the winning design raised navigation click-through by 12%.
- Built and maintained the header, footer and store locator, and modernized legacy class components to React Hooks.
- Mentored interns and junior developers.

Best High Technology

Princeton, NJ

Software Engineer

Jun 2018 – Dec 2018

- Built a React store locator for searching stores and viewing store details, developing components in isolation with Storybook and tracking user behavior through Redux-dispatched analytics events.
- Partnered with designers and product managers to iterate on designs, and ran weekly technology-sharing and code review sessions.

EDUCATION

M.S. in Computer Science, Illinois Institute of Technology, Chicago, IL

2017

B.S. in Computer Engineering, New York Institute of Technology (Nanjing campus), China

2014