

Ugur Armagan

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SUMMARY

Ugur Armagan is a results-driven front-end engineer who blends deep technical expertise with a relentless focus on user experience and performance. He modernized Costco's mission-critical order management system, enhanced Great Clips' online check-in platform for millions of customers, and slashed page load times at Optum by 70%—consistently delivering intuitive, scalable solutions that exceed expectations.

EXPERIENCE

Senior Frontend Developer

Costco

May 2024 - Present, Remote

- Served as the technical lead for an 8-person team, spearheading a greenfield order and item management platform at the core of Costco's retail operations—empowering thousands of warehouse and sales managers to efficiently manage shelf inventory and digital product listings.
- Led the design and implementation a performant front-end stack using TypeScript, React, TanStack/Router, and TailwindCSS, improving critical inventory page load times to under 1 second.
- Built a unified “save-all” feature consolidating multiple component states into a single, page-level state, reducing manual steps for warehouse managers and enhancing overall efficiency.
- Developed a robust chip management system using a type-safe rule engine factory pattern, ensuring consistent validation and error handling, and enabling developers to introduce or update rules in minutes rather than hours.
- Established front-end best practices around composable UIs, reusable components, and maintainable code structures, backed by robust testing tools (React Testing Library, Jest, Storybook, Playwright)—reducing regressions and ensuring predictable releases.
- Collaborated closely with Product and Project Managers to refine user stories, clarify requirements, and guide implementation, ensuring alignment between technical deliverables and business objectives.
- Mentored junior engineers through pair-programming sessions, targeted feedback, and hands-on code reviews, accelerating their growth in modern React patterns, TypeScript, and scalable front-end architectures.

Front-End Developer

Livefront

March 2023 - December 2023, Remote

- Developed an online check-in system for Great Clips in a highly efficient two-person team, utilizing Next.js, React, and TypeScript to enhance user experience and system performance.
- Crafted custom, accessible UI components—including a draggable bottom sheet and a responsive dropdown selector—aligning closely with design specifications and adhering to A11y standards.
- Developed and maintained a versatile React-based design system and component library, now integral to Great Clips' marketing website's cohesive visual experience.
- Closely collaborated with designer to interpret mockups and implement pixel-perfect UI in React and TypeScript.
- Implemented a comprehensive suite of unit tests, achieving 95% test coverage, to ensure high-quality code and system integrity.

Software Engineer II

Optum

November 2021 - March 2023

- Led development of a large-scale personalized dashboard using React, Redux, and Styled Components
- Mentored junior developers on best practices for component architecture and project documentation
- Reduced build times from 1 minute to 7 seconds by optimizing a Webpack configuration and adding caching.
- Developed design patterns and standards for a team of engineers, resulting in increased efficiency and fewer errors.
- Organized weekly brown-bag meetings that introduced multiple concepts to the team, such as React Concurrency, React Query, Playwright, etc.

Software Engineer

Optum

July 2021 – November 2021, Chicago

- Refined the development workflow for how multiple micro-services get spun up, decreasing build times by 20%.
- Lead the migration of an Angular application to React, which reduced page load time by 70%.
- Built out multiple features on a healthcare dashboard product that is actively used by tens of thousands of customers every single day.

Software Engineer

Epsilon

July 2019 – July 2021, Chicago, IL

- Earned the leadership of a newly formed team, organized daily stand, and established a team culture that focuses on building applications with SOLID principles in mind.
- Increased throughput of PostgreSQL database by 60% through optimizing queries and indexing
- Successfully completed an internal front-end project impacting multiple regional ad servers within 2 months by managing and coordinating development efforts.
- Leveraged knowledge in Docker to create scalable microservices that are delivered through a CI/CD pipeline.
- Built and maintained multiple backend REST API services with Docker and Kubernetes .
- Developed and maintained multiple API services with Node.js and Typescript that had 99.99% uptime.

PROJECTS

Flavor Recipe Scraper

January 2024 – February 2024

- Developed a React Native application that scrapes recipes from any provided URL, extracting comprehensive metadata—including ingredients, cooking steps, and nutritional information—through a Node.js and Hono.js backend.
- Implemented an efficient scraping algorithm supplemented by an LLM-based fallback mechanism, ensuring high accuracy and resilience against unpredictable website structures.
- Integrated OCR capabilities to digitize recipes directly from scanned cookbooks, expanding the app's utility and user convenience.

Worksite Event Reporter

September 2021

- Tool for contractors/construction workers to report worksite issues and track them built in React, Next.js, and TailwindCSS.
- Data fetching and caching implemented with React-Query.
- Automatic user creation through server events.
- Data is entirely from a JSON file that is modified by a custom read/write CRUD server.

SKILLS

React, Typescript, Javascript, Next.js, Node.js, PostgreSQL, Docker, Playwright, React Testing Library, Tanstack/query, React Router, React Native, Hono.js