

Andrew Enger

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SUMMARY

Full-stack Software Engineer with 4+ years at CLEAR and Microsoft, building web applications and APIs with a focus on frontend performance, automated testing, and developer productivity. Open to hybrid and remote roles.

SKILLS

Programming Languages: TypeScript, JavaScript, Python, SQL, Java, C++, C, Bash, PowerShell

Frameworks & Libraries: React, Next.js, Node.js, Flask, FastAPI, Tailwind CSS, Jest, Selenium WebDriver

Tools: GitHub Actions (CI/CD), ESLint, Docker, Azure, PostgreSQL, Redis, Datadog, LaunchDarkly, Claude Code

EXPERIENCE

CLEAR

New York, NY (on-site)

Software Engineer II

Apr. 2025 - Present

- Developed the CLEAR EGate member verification frontend, integrating with CLEAR backend and TSA APIs; contributed to a rollout across 30+ airports that reduced lane-to-TSA time from approximately 2–3 minutes to 20–30 seconds, bringing member satisfaction over 90%.
- Delivered EnVe features within the first 90 days that recovered over \$200K in revenue from churned customers; established Datadog monitoring to track production rollouts.
- Re-architected CI/CD workflows in GitHub Actions, reducing execution time by 50% per run and lowering operational costs.
- Automated LaunchDarkly feature flag cleanup with Claude Code workflows to simplify conditional logic and reduce maintenance overhead.

Microsoft

Redmond, WA (hybrid)

Software Engineer

Aug. 2022 - Apr. 2025

- Integrated Microsoft Loop pages into Copilot Chat, increasing average session duration by more than 10 minutes.
- Migrated the Microsoft Loop frontend from legacy UI frameworks to Fluent UI v9, reducing rendering errors and improving UI performance.
- Developed Substrate APIs to expand sharing capabilities for Microsoft Loop components across the Microsoft ecosystem.

Wellframe

Boston, MA

Software Development QA Co-op

Feb. 2021 - Jun. 2021

- Built automated end-to-end test suites in Java with Selenium WebDriver to validate application reliability.
- Built Python and MySQL pipelines to load mock healthcare data into CI/CD workflows, accelerating development environment readiness.

TripAdvisor

Needham, MA

IT Operations Engineer Co-op

Jan. 2020 - Jun. 2020

- Developed and deployed automation scripts to streamline IT service management and reduce manual work.

EDUCATION

Northeastern University

Boston, MA

B.S. in Computer Science (cum laude)

Sep. 2018 – Jul. 2022

- Awards:** 6x Dean's List, Dean's Scholarship

PROJECTS

Alto Visuals

Brooklyn, NY

Full-stack Developer

Mar. 2024 - Sep. 2024

- Built an [AI-powered web application](#) to analyze media treatments and provide feedback for creative development.
- Implemented the Next.js frontend and Flask backend with PostgreSQL and Redis.

SecureCop LLC

Hoboken, NJ

Founder

Sep. 2014 - Sep. 2021

- Built Node.js and Python automation for web scraping and inventory monitoring, generating over \$1M in gross revenue.

J. Patryce & Co

Hoboken, NJ

IT Consultant

Sep. 2019 - Present

- Provided ad-hoc IT support and consulting, migrated legacy personal Dropbox file-sharing setup to Microsoft 365 OneDrive, and managed email via Microsoft Exchange.