Andrew Enger

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SUMMARY

Full-stack Software Engineer at CLEAR with extensive experience in web optimization, AI tooling integration, and scalable system architecture.

SKILLS

Programming Languages: TypeScript, Python, C++, Java, C, Bash, Powershell
Frameworks & Libraries: React, Next.JS, FastAPI, Gatsby, Tailwind CSS, Jest, ESLint, FluentUI, Selenium WebDriver
Tools: Claude Code, DataDog, LaunchDarkly, Cursor, Azure, KQL, PostgreSQL, Redis, Git, GitHub Actions, Docker

EXPERIENCE

CLEAR   New York, NY
Software Engineer II   *Apr 2025 - Present*
- Delivered critical EnVe features within the first 90 days, recapturing over $200k in revenue from churned customers while establishing rollout monitoring via DataDog.
- Enhanced developer productivity and reduced operational costs by re-architecting CI/CD workflows in Github Actions, cutting execution time by 5-10 minutes per run.
- Led the technical implementation and rollout of the CLEAR EGate project across 30+ airports, reducing member processing time by 1-2 minutes per lane.

Microsoft   Redmond, WA / New York, NY
Software Engineer (L60)   *Aug. 2023 - Apr 2025*
Software Engineer   *Aug. 2022 - Aug. 2023*
- Integrated Loop pages into Copilot Chat, resulting in an increase of over 10 minutes in average session duration.
- Optimized the Loop application frontend by migrating from legacy frameworks to FluentUI v9, significantly reducing rendering errors and improving UI performance.
- Developed new Substrate APIs to expand sharing capabilities within Loop components, driving increased adoption across the Microsoft ecosystem.

Wellframe   Boston, MA
Software Development QA Co-op   *Feb. 2021 - Jun. 2021*
- Engineered automated end-to-end test suites using Selenium WebDriver (Java) to validate software reliability.
- Built Python and MySQL-based CI/CD pipelines to pre-load mock healthcare data, accelerating development cycle readiness.

TripAdvisor   Needham, MA
IT Operations Engineer Co-op   *Jan. 2020 - Jun. 2020*
- Designed and deployed automation scripts that streamlined IT service management, improving team productivity.

EDUCATION

Northeastern University   Boston, MA
B.S. of Computer Science (cum laude)   *Sep. 2018 – Jul. 2022*
- **Extracurriculars**: Beta Theta Pi Fraternity, Northeastern Skate Club, Intramural Basketball, NUHacks
- **Awards**: 6x Dean's List, Dean's Scholarship

Packer Collegiate Institute   Brooklyn, NY
General Studies   *Sep. 2014 - Jun. 2018*
- **Awards**: Virginia Finkel Pierce Award for Computer Science

PROJECTS

Alto Visuals   Brooklyn, NY
Full-stack Developer   *Mar. 2024 - Sep. 2024*
- Architected an AI-powered web application to analyze and enhance media treatments.
- Implemented a scalable full-stack solution using Flask (backend), Redis, PostgreSQL, and Next.js (frontend).

SecureCop LLC   Hoboken, NJ
Founder   *Sep. 2014 - Sep. 2021*
- Developed custom high-performance Node.js and Python automation scripts for web scraping and inventory monitoring, generating over $1 million in gross revenue.