

Kyle Hartson

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SUMMARY

Full-Stack Software Engineer specializing in modernizing mission-critical systems within high-velocity, resource-constrained environments. Expert in **Python, C#/.NET**, and **TypeScript/React**, with deep experience migrating legacy systems to secure cloud environments. Adept at scaling security-aware DevOps across Windows and Linux ecosystems.

EXPERIENCE

Software Engineer – Full Stack Dec. 2025 – Present
Eurofins TestOil Cleveland, OH

- **Modernizing legacy LIMS architecture** by migrating VB6/ASP Classic systems to a high-concurrency **React/TS and .NET Core** stack; authored retrospective HLDs and C4 diagrams to codify architecture for security audits.
- **Architected a greenfield customer registration portal** featuring a dual-authentication mechanism (**Auth0** and encrypted barcodes) to support high-value contracts and secure sample tracking.
- **Pioneered "Shift-Left" initiatives** by implementing contract-first development with **OpenAPI**, automating type-safe client generation.
- **Optimized frontend delivery** using AI-assisted prototyping; improved server-state management with **TanStack**; developed integration tests to ensure API conformity and production stability.

Partner / Sr. Applications Developer Nov. 2023 – Present
Digital Graphene, LLC Solon, OH

- **Co-architected a Cloud-Native audio proofing platform** (Azure SWA, Functions, Blob Storage), achieving a **32x reduction in operational costs** over competitor tools.
- **Standardized frontend architecture** via implementing a **Fluent UI** design token system; reduced repetitious code and enabled high-velocity, themeable development.
- **Advised on IaC and Security strategy**, leading **Terraform** adoption for automated CI/CD; hardened platform headers to increase SEO scores.

Integrations Developer/Project Lead Jan. 2025 – Nov. 2025
Propela Tech Cleveland, OH

- **Architected a core legal workflow solution** integrating three systems to process **3,000+ cases**; automated WCAB filing and document generation to reduce manual entry from **minutes to seconds**.
- **Modernized AWS DevOps and Security** by migrating secrets, leading **Docker/ECS deployments**, and **HIPAA-compliant RDS encryption standards**.
- **Led the full technical project lifecycle** as sole architect and developer, managing requirements gathering, solution architecture, agile ticketing, and executive client reporting.

Applications Engineer Jul. 2023 – Jan. 2025
Root Integrated Systems Independence, OH

IT Service Desk Technician / Developer Shadow May 2023 – Jul. 2023
Flynn Restaurant Group

Backend Developer Shadow Jan. 2022 – May 2022
Findaway Voices

SOFTWARE PROJECTS

weather.digitalgraphene.com | C#, React, Azure ACR, Docker

Encore of Eldoria (Hackathon) | Go, Encore, Discord API

RecordKeeper | React, Redux, Rails, Postgres

TECHNICAL SKILLS

Languages: Python, C# (.NET Core), TypeScript, JavaScript (React), Ruby, Go, SQL

Cloud/Infra: Azure (AKS, SWA, Functions, AD), AWS (ECS, Lambda, RDS), Docker, Terraform, Ansible, Proxmox, CloudFlare, Vercel

Systems/DevOps: Azure DevOps, Linux, CI/CD (GitHub Actions), SAST/DAST, Splunk, Cisco CLI

Foreign Language: Chinese (Business Proficiency)

EDUCATION

Tufts University

Bachelor of Arts in Chinese

Medford, MA

Sep. 2017 - August 2021

Flatiron School

Software Engineering Immersive Bootcamp

Remote

Sep. 2021 - Jan 2023