

Gregory Glatzer

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Education

The Pennsylvania State University, College of Information Sciences and Technology

August 2019 – May 2023

B.S. in Applied Data Science, GPA: 3.96 - Summa Cum Laude

Skills

Programming & Full Stack: Python, R, TypeScript/JavaScript, React, Next.js, Node.js, HTML/CSS

Data & ML: Pandas, scikit-learn, PySpark, statistical modeling, LLM MCP servers, data visualization, interactive dashboards

Cloud & Infrastructure: AWS, Docker, CI/CD pipelines, Vercel, REST APIs

Databases: PostgreSQL, MongoDB, DynamoDB, Supabase

Experience

Stealth Startup – Lead Engineer / CTO (Early-Stage Startup)

September 2025 – Present

- **Built a [precision oncology platform](#)** integrating genomic & clinical data for personalized treatment & trial selection across 10+ tumor sites and ~5 clinical trials.
- **Contributed to IP strategy & patent filings** around novel analytical methods.
- **Developed investor-facing technical narratives** and pitched to C-Suite & VCs.
- **Conducted market & product research** to guide roadmap and product positioning in precision oncology.

Fred Hutch Cancer Center – Software Development Engineer II / Data Scientist

September 2023 – September 2025

- **Architected & delivered web-based analytics tools** for real-time exploration of ~20,000 genes across 100,000 patients using Next.js, React, and AWS cloud infrastructure.
- **Performed real-world, distributed data analysis** on a dataset of 3,000,000 patients' full EHR records using PySpark and Domain-Specific Languages (DSLs)
- **Led 3 engineers**; drove weekly cross-functional updates aligning product, clinical, and business stakeholders.
- **Designed data-heavy workflows** for patient stratification, biomarker discovery, and clinical trial enrichment.
- **Translated clinical research** into scalable software for ~10 labs and external partners.
- **Drove technical roadmap and strategy** across engineering, data science, and clinical teams.

Eartrainer-io – Full-Stack Developer

June 2023 – September 2023

- **Designed and delivered** a web-based music notation and assessment platform adopted by universities nationwide, improving evaluation accuracy and instructor efficiency.
- **Enabled institutional integration** via LTI-based LMS connectivity and implemented secure subscription billing (Stripe).
- **Architected and deployed** a full-stack production application (React, TypeScript, Node.js) with relational data modeling and automated CI/CD.

KCF Technologies – Software Engineer I

June 2022 – December 2022

- **Modernized core data-entry workflows** with a React-based AWS application, saving hundreds of hours annually.
- **Designed and delivered** a real-time IoT data ingestion and ETL platform, improving reliability and throughput for high-volume device data.
- **Built and deployed** containerized Python services to enable data exchange across Industry 4.0 systems.
- **Owned production quality** through backlog management, code reviews, and CI/CD pipelines (Azure DevOps).

Publications

Integrated transcriptomic landscape of medulloblastoma and ependymoma reveals novel tumor subtype-specific biology.

Neuro-Oncology, October 2025.

Transcriptomic landscape identifies two unrecognized ependymoma subtypes and novel pathways in medulloblastoma.

Neuro-Oncology, November 2024.

A Socio-Ecological Approach to Understanding How Land Use Challenges Human–Elephant Coexistence in Northern Tanzania.

Diversity, June 2022.

An Analysis of Elephants' Movement Data in Sub-Saharan Africa Using Clustering.

TAWIRI Conference, Tanzania, December 2021.