Jacob Trock

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Passionate, genial programmer and businessman.

Skills

- **Programming Languages** - Typescript, Ecma, React, Node.js, Bash, Java, Python, JS, HTML, CSS, RegEx
- **Programming Libraries** - DevOps, Linux, Nixos, MongoDB, Docker, PostgreSQL, GraphQL, AWS services(CDK,EC2,RDS,...)
- **Business** – Managed two early stage startups, validating, iterating and desigining. Led several efforts for code-cleanliness, documentation and wrote design documents in most positions held. Graphic Design (adobe suite)

Work Experience

Broad Institute of MIT and Harvard, Cambridge MA
Software Developer   01/2023-Present
- Was a critical member of the team, used to implement features that had tight deadlines
- Led efforts within the UI working group to implement code quality, typescript standards, proper testing, centralized documentation
- Used a Scrum-based system

Phast Diagnostics, Boston MA
DevOps Engineer   01/2022-06/2022
- Worked alongside senior engineer to develop secure patient data handling backend
- Worked on client/hospital facing GUI, implemented comprehensive unit testing
- Managed AWS resources across many regions(US, Europe, Korea)
- Worked on prototype hardware and software for cloud-enabled microscope
- Used a Kanban-based system

Picstop, Boston MA
Backend Developer   12/2020-02/2021
- Connected service to Amazon S3 for image storage
- Optimized validation, wrote an infinite scroll feed system and cleaned code
- Worked with an Agile ticket-based system

Live XYZ, New York NY
Frontend Developer   06/2019-07/2019
- Built React pages for live events
- Audited integration of Mapbox to code base
- Assisted management in client meetings

Education

- Bachelors of Computer Sciences, Graduated 2025, Khoury College, Northeastern University
- Bachelor's of Business, Graduated 2025, D'Amore McKim School of Business, Northeastern University

Personal Endeavours

- Nebulous Systems: Cloud-portable SAAS, Built out billing systems, backend(2022)
- ServiceEngine: NoCode File processor, Invited to TechCrunch Disrupt, youngest founder at Husky Startup challenge(2021)
- Furniture Design (metal welding and woodwork), Technology recovery and refurbishment, 3D Printer repair, Secure computing, low-level/embedded systems