**Jacob Trock** Boston, 02125 • (203) 216-2725

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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