

Ethan Barr

Software Engineer • Backend / Full-stack
Baltimore, MD • Open to Remote/Hybrid

SUMMARY

Software Engineer with 4+ years building backend systems, operational tooling, and data workflows in a fast-growing startup environment. Experienced in Django/DRF, BigQuery, and GCP, with a focus on production reliability, performance optimization, observability, and cross-functional engineering.

SKILLS

Python Django Django REST Framework MySQL BigQuery GCP Redis React Next.js REST APIs Data Pipelines Performance Optimization Observability Production Reliability Cross-functional Collaboration

EXPERIENCE

Software Engineer — Foreman (Startup)

2023 — Present

Remote / Baltimore, MD

- Built and scaled Django/DRF backend systems supporting large asset and miner inventories across hundreds of thousands of records.
- Developed operational workflows for inventory sync, issue management, power controls, exports, and customer-facing production support.
- Improved system performance and reliability through query optimization, caching, observability improvements, and debugging of production issues.
- Partnered with support, product, and stakeholders to investigate customer-impacting incidents, communicate tradeoffs, and ship practical fixes.
- Joined as the 3rd employee and contributed to scaling backend systems and operational tooling through a period of rapid company growth.

Software Engineering Intern — National Committee for Quality Assurance (NCQA)

May 2020 — August 2021

Remote

- Collaborated on internal engineering tools, including debugger workflows for medical language logic and file review interfaces.
- Built and tested React/TypeScript components for a file review website that parsed file types and displayed relevant information.
- Created testing environments, mocks, and unit tests to validate application behavior and catch issues during development.

PROJECTS

ChangeLogScribe

- Built a SaaS product that generates structured changelogs and release notes from GitHub activity.
- Implemented GitHub App flows, Stripe billing, and email notifications with a focus on reliable automation and clean user experience.

Personal Website & Engineering Notes

- Designed and built a personal website to showcase engineering projects, technical notes, and long-form writing.
- Implemented reusable layouts and structured content organization for projects, articles, and learning documentation using modern frontend tooling.

Sophia (Slack AI Assistant)

- Built a Slack assistant that summarizes channel discussions and answers questions using structured prompts and LLM tooling.
- Integrated Slack command handling and message-history retrieval workflows to support contextual summaries and question answering.
- Explored prompt structure, context limits, and reliability tradeoffs when turning noisy chat history into useful summaries.

EDUCATION

University of Maryland, College Park

2019 — 2023

B.S. Computer Science, Minor in Astronomy