

Ethan Green

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EXPERIENCE

TechExcellence

Feb. 2025 – Present

Software Developer

Remote

- **Architected a containerized HR Management System** using **React, C# (.NET), and SQL** to automate **Entra ID/Active Directory** permission tracking, reducing IT overhead by enabling HR-driven access control.
- **Designed a multi-container Docker architecture** for on-premises deployment, implementing dedicated sync services to ensure real-time data consistency across frontend, backend, and database layers.
- **Designed and maintained automated file-processing pipelines** that orchestrate the daily movement of sensitive banking reports across a shared storage network, ensuring structured archiving and rapid retrieval.
- **Engineered a Retrieval-Augmented Generation (RAG) agent** to query internal IT documentation; developed an **Azure Function App** pipeline to synchronize documentation updates with a **Vector Database**.
- **Optimized technical support workflows** by integrating the RAG pipeline as a tool within an AI agent, allowing for automated, context-specific responses to complex infrastructure queries.

Johnson & Johnson

Jun. 2022 – Dec. 2022

Software Development Co-op

Raritan, NJ

- **Developed a centralized monitoring dashboard** using **Flask** and **SQL** to consolidate batch report data across multiple departments, providing a single source of truth for execution duration and success rates.
- **Implemented automated trend analysis** and real-time alerting to identify anomalous patterns and quality check failures, enabling the team to proactively resolve processing errors before downstream impact.
- **Optimized dashboard performance** by 90% through the implementation of server-side caching and SQL query optimization, reducing page load times from **5 seconds to under 0.5 seconds**.

OwnCrib

Jun. 2021 – Jun. 2022

Full Stack Development Intern

Remote

- **Engineered responsive buyer and seller dashboards** using **React.js**, focusing on intuitive UX/UI design to facilitate seamless property listing management and user interaction.
- **Streamlined payment and registration workflows** by integrating the **Stripe API**, reducing friction in the user onboarding funnel and directly contributing to increased conversion rates.
- **Developed a serverless search engine** leveraging **Azure Functions** to provide efficient, location-based listing queries, optimizing data retrieval for a high-volume real estate database.

PROJECTS

AI Mock Interview SaaS | React, Gemini API, Node.js, AWS

- Developed an end-to-end platform using the **Gemini API** to analyze job postings and generate tailored interview questions with personalized feedback engines for sentiment and technical analysis.

EDUCATION

Rutgers University New Brunswick

May 2026

Bachelor of Arts in Computer Science

New Brunswick, New Jersey

- **Coursework:** Data Structures, Algorithms, Databases, Computer Architecture, Data Science

SKILLS

Languages: Python, C# (.NET), SQL (Postgres, MySQL), JavaScript, Java, HTML/CSS

Frameworks: React.js, Node.js, Flask, Entity Framework, LangChain, REST APIs

Cloud/DevOps: Azure (Functions, Vector DB), Docker, Git, GitHub Actions, Stripe API, Gemini API, AWS