

# Christopher Graham New York, NY

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## WORK EXPERIENCE

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### Médecins Sans Frontières / Doctors Without Borders (WebApp, Nonprofit)

12/2022– Present

*Software Engineer*

*NY, Rector St.*

- Remediated Google Indexing issues for web content through integration of crawler API's and the introduction of effective SEO tools & best practices.
- Introduced AI to our organization through OpenAI API integration with the GPT-4 model. (Ask me more about this!)
- Improved application functionality & utility with a revamped search system using Azure Cognitive Search & cloud service capabilities. General performance improvements also made using Google Lighthouse
- Reviewed project specifications and designed technology solutions that exceeded stakeholder expectations. Coupled Angular and NextJs to create scalable, robust & interactive user interfaces.
- Developed crucial application pipeline infrastructure automations using Python & Apache Airflow.
- Introduced scalable Cypress end to end testing frameworks and capabilities within the organization's infrastructure. Introduced Jest for unit testing.
- Facilitated and conducted data & codebase migrations alongside version upgrades to our tech stack (client to server side rendering with NextJs, Angular framework upgrades, etc..).

### Notable Finance (WebApp, FinTech, Startup)

04/2021 – 09/2022

*Data Engineer*

*NY, WTC FL. 59*

- Gracefully handled ownership of the resolution & escalation of Engineering department related web-application issues. Orchestrated PostgreSQL Database operations & migrations. Created & maintained ETL pipelines.
- Utilized TypeScript (a strict syntactical superset of JS) to develop backend processes to propel a smooth U.X. within our App. Monitored multiple Staging & Production repositories for the Web Application.
  - In addition to writing and deploying clean code, I also reviewed & unit tested the code of our senior engineers.
- Utilized partner API's & JS to create automated data flows around the organization. Also oversaw the upkeep & maintenance of these company-wide automations (refactors, error tracking).
- Found & relayed answers to technical questions through joint use of error tracking & log management software.

### Notable Finance (WebApp, FinTech, Startup)

04/2020 – 04/2021

*Technical Operations Associate*

*NY, WTC FL. 59*

- Utilization of complex PostgreSQL to construct raw ad-hoc queries , stored procedures & automations for various internal & external stakeholders.
- Participated in daily Engineering standups and relayed progress to the CEO & CTO on scrum development of backend web-application features during sprints.
- Assisted in data migrations, & developed code in the backend to create solutions for user facing issues.

- Took ownership of several SQL Projects with NonProfit schematic data, as well as routine data hygiene.
- Constructed new SQL queries, & edited pre-existing stored procedures. Modified copious records through ETL.

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## EDUCATION

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University At Albany (SUNY)

**B.S. Computer Science** (Physics/Mathematics Concentration)

Graduated May 5th, 2019

Albany NY, Washington Ave

- Overseer of on campus nonprofit & community service organizations (Purple Threads).
- Creator of TestBank, a JS web-application meant to replace the university's test taking system, Blackboard

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## SKILLS & INTERESTS

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- **Skills:** TypeScript; Asynchronous JavaScript; Docker & Containerization; Angular; NextJs; Azure Cognitive Search; Azure DevOps; Relational Databases; ETL Processes; T-SQL; PostgreSQL Apache Airflow; SEO; Google Search Console; Google Analytics; Screaming Frog SEO Tooling; React; C#; DotNet; API Configuration & Utilization; Bash Scripting; Python; BI Tools (Metabase, Tableau); AWS & AWS CLI; GIT Version Control & GIT CLI; Cypress; Test Driven Development; Database Performance Improvement(Indexing, Query time reductions); Jest Library & Test Assertion Runner; HTML & JSX; Learning new things fast!
- **Interests:** Nonprofits & Community Service (my website has a mobile food pantry tracker, so if anyone in the New York area needs a free meal they know where to go); Running; Podcasts; Dogs; Learning; Space; A drink with friends!