

Christopher Graham New York, NY

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WORK EXPERIENCE

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

12/2022– Present

Software Engineer

NY, Rector St.

- Designed and deployed an internal AI chatbot using Azure OpenAI & LangChain with secure data access and RAG pipelines, enabling employees to query internal knowledge safely.
- Built Databricks pipelines to extract structured data from PDFs, output JSON, and automate reporting to Excel.
- Enhanced enterprise search relevance through Azure AI Search with custom analyzers, synonym maps, & scoring profiles.
- Integrated CKEditor/WYSIWYG editing into a React/Next.js science portal, empowering non-technical staff to update layouts and content.
- Led migrations across Next.js + Angular frontends, containerized deployments, & Python + Apache Airflow automation.
- Improved site SEO and visibility by resolving Google indexing issues and integrating crawler APIs.
- Strengthened testing with Cypress (end-to-end) and Jest (unit), increasing reliability of feature releases.

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 to develop backend processes to propel a smooth UX within our App. Monitored multiple Staging & Production repositories for the Web Application.
- Wrote & deployed clean code in addition to reviewing & unit testing the code of senior engineers.
- Utilized partner APIs & 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 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.

EDUCATION

University At Albany (SUNY)

Graduated May 5th, 2019

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

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

SKILLS & INTERESTS

- **Skills:** TypeScript; Asynchronous JavaScript; Docker & Containerization; Angular; NextJs; Azure Cognitive Search; Azure DevOps; Databricks; Mouseflow; 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; 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; Cardio; Podcasts; Bob Ross; Dogs; Skincare; Dogs; Black Clothing; Lava Lamps; My dog Mercury; Nature; Bitcoin; Lawn Care; Dogs.