

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.*

- Achieved an increase of Web Application content visibility by **1223%** within Google search results for the organizations scientific and medical publications through API integration to resolve critical web content indexing issues.
- Triaged & developed solutions to critical bugs during a project launch, handoff & release process for an outsourced web application that was being transferred back to the organization.
- Reviewed project specifications and designed technology solutions that met or exceeded stakeholder expectations. Coupled Angular and Typescript to create scalable, robust & interactive user interfaces.
- Developed critical application 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.
- Oversaw fellow engineers throughout iterative improvements to the React & Angular stack.

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.
- 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.

Médecins Sans Frontières / Doctors Without Borders (Nonprofit, DevOps) **09/2019 – 02/2020**

- 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.

EDUCATION

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

SKILLS & INTERESTS

- **Skills:** TypeScript; Asynchronous JavaScript; Docker & Containerization; Angular; Relational Databases; ETL Processes; T-SQL; PostgreSQL Apache Airflow 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!