



Contact

(917) 690-2394

lucienchristiedervaux@gmail.com

New York, NY (Remote Preferred)

Mission Statement:

Backend software engineer focused on performance, stability, of services and reduction of manual work. Architect and engineering mentor.

Experience

Capital One
2022 - 2024

Senior Software Engineer - Privacy Fulfillment Team

- Capital One has a service where customers can Download/Edit/Delete all their data from the company. Each request is assembled in an airflow job from 160 datasets.
- Designed/implemented automated review module eliminating 2000 man hours per year.
- Was a mentor to junior engineers in technical, career and design skills.
- Took a product management view, and implemented changes/cuts to the business, deploy, and product processes so engineers and business analysts spent less time maintaining the system with redundant legacy tasks.
- Improved the infrastructure, decreasing the time-to-deploy(-30%), time-to-test env(-98%), and moved live testing from the single QA box to local testing enabling 6 engineers to test at the same time vs everyone sharing one instance.

Wayfair
2020 - 2022

Software Engineer II - Catalog Gateway Team

- Added Istio Service Mesh features to the applications in the product catalog organization. Added authentication, metrics, HPA, canary deploys while ensuring continuous uptime for the product cache service, which got >1 billion hits per day from >50 services.
- Migrated the product generation migration from a single background job to a distributed event-based system in dotnetcore.

Wayfair
2018 - 2020

Software Engineer II - Services and Scalability Team

- Worked on the Banned Phrase Job: A job to clear out specific phrases from the product catalog for compliance and positive user experiences. The job would ensure compliance by flagging or replacing thousands of banned phrases from hundreds of millions of rows.
- Completely refactored the main algorithm to a Trie based search system, reducing the order notation to $N \log N$ from N^2 and taking it from 60 hours a week to 4 hours.

Education

University
2014-2017

Rensselaer Polytechnic Institute

B.S. Computer Science, Minor in Cognitive Science, GPA: 3.7

Dean's List, Rensselaer Leadership Award, Research Symposium Honorable Mention.

Main Languages

C#, Python, Java, SQL, PHP, jQuery, R.

Tools: AWS, kubernetes, datadog, airflow, GCP.

Relevant Courses

Computer Vision, Machine Learning, Database Systems, Cognitive Psychology.

Publications

Modernizing the Harvard Observatory Catalog of Variable Stars in the Magellanic Clouds. adsabs.harvard.edu

 <https://github.com/luciencd>