

SAMUEL B. PAUL

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EXPERIENCE

Docurated, Inc.

Head of Data Engineering

June 2016 - Present

New York, NY

- Responsible for the design and implementation of Docurated's ETL and analytics system, which uses Kafka, Airflow, Spark, and Redshift to provide invaluable insight both internally and to our clients
- Incorporated Tableau into our product/pipeline to dramatically cut frontend development costs/times as well as give our clients infinite ways to interact with their data
- Improved Docurated's core search algorithm by including time-weighted user activity when ranking search results
- Interfaced with clients/customer success team to map out future features/requests

Docurated, Inc.

Full-Stack Developer

December 2013 - June 2016

New York, NY

- Wrote code that runs across the entire Docurated stack, including web-based UIs, logic for backend document processing/updating solr clusters, and sync connector integrations (Dropbox, GoogleDrive, Salesforce, etc.)
- Performed significant rewrite of the Docurated desktop sync application (python) to add a frontend UI that was dynamic and customizable (react)
- Aided in the multi-team effort of moving (almost) all of our AWS services into Kubernetes

Bloomberg LP

Financial Software Developer

July 2011 - December 2013

New York, NY

- Worked on the Fixed Income Pricing & Monitoring team
- Responsible for designing, creating, and maintaining Bloomberg terminal functions (new and old)
- Built and launched two functions, {FIW} and {URI}, which get over 2,500 client hits daily

Barclays Capital

Summer Intern

June 2010 - August 2010

New York, NY

- Worked in the Fixed Income Exotics Development division
- Designed and implemented a Universal Risk Feed reconciliation tool
- Worked with traders to increase recon tool's usability and efficiency

EDUCATION

Massachusetts Institute of Technology

Bachelor of Science - Electrical Engineering & Computer Science

June 2011

Multivariable Calculus, Differential Equations, EECS 1, EECS 2, Algorithms, Computation Structures, Artificial Intelligence, Software Construction, Computer Graphics, Probabilistic Systems Analysis, Statistical Thinking and Data Analysis

Bachelor of Science - Management (Concentration in Operations Research)

Game Theory, Managerial Psychology, Optimization Methods in Management Science, Operations Management

SKILLS

Languages/Frameworks

Python, Ruby, Rails, Java/Scala, C++

Databases

PostgreSQL, Redshift, Cassandra

Tools

Airflow, Spark, Kafka, AWS, Kubernetes, Tableau