Brock Donovan

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SKILLS & EDUCATION

- **University of Illinois Champaign-Urbana**   B.S. Electrical Engineering May 2008
- *Programming*: Python, SQL, Bash
- *Other*: Airflow, Docker, GCP, CI/CD - GHA, Harness
- *Databases* + *Big Data*: Snowflake, Big Query, PySpark, Databricks, DBT, Postgres, MSSQL
- *Data Viz*: Tableau, Looker, Plotly, Seaborn, Matplotlib

EXPERIENCE

dv01 – Data Direct Engineering Lead   July 2021 – present

dv01 is a financial technology data management, reporting & analytics platform offering loan-level transparency and insight into lending markets.

- Lead inter-departmental team for Data Direct product line http://dv01.co/offerings/data-direct
- Manage team of 4
- Design and maintain data feeds for some of the largest banks and hedge funds in the world
- Manage costs of cloud infrastructure (decreased cost by 24%)
- Plan and lead data product feature rollouts: Snowflake implementation & cloud sharing, maintain feature parity with web app and work with sales team on product pricing and support

dv01 – Senior Data Engineer   July 2020 – July 2021

- Work with data pipeline and business teams to plan, scope, and develop new, scalable features
- Lead product migration from **MSSQL Server to Big Query**
- Decrease pipeline write time by 40% by leveraging Big Query and python
- Provide technical leadership to junior engineers and new hires

dv01 – Data Engineer   July 2019 – July 2020

- Evolve the Data offering from one-off custom build to a full product that meets any client's needs
- Build and maintain data pipelines including Airflow DAGs, Jenkins jobs, & automated testing
- Lead client meetings, on call and support. Create documentation and marketing from scratch
- Work with consultants to improve our product.

Major League Soccer – Manager Analytics and Insights   April 2017 – Present

- Create data pipeline which in turn powered Tableau insights dashboards and ad hoc user and content analysis. Work with sales and marketing teams to enable data-driven decision making

Orchard Platform – Data Analyst   March 2016 – April 2017

Orchard was a provider of tech and analytics to the marketplace lending Industry.

- Create both client reports and internal tools using Shiny & Flask to share insights and enable client services, sales, marketing and data science teams to monitor and investigate data.

Organizing for Action   October 2013 – March 2016

OFA is a nonprofit 501c4 that advocates for the agenda of President Barack Obama. OFA maintains his digital resources: www.barackobama.com, @barackobama, email list, etc.

Digital Analytics Manager

- Harness data insights for social media accounts that reach over 65 million people and an email list of millions of supporters. Monitor & report on website activity and campaign performance.

Presenter – Analytics Institute Yearly Conference 2015

University of Illinois at Chicago - *Graduate appointment*   Aug 2012 – Aug 2013

- Data analysis & visualization for School of Public Health. Results published in PLOS ONE

Motorola Solutions Inc. – Senior Systems Engineer   Oct 2008 – Aug 2012

- Implemented software and hardware upgrades to multimillion-dollar digital radio systems