Patrick Endres

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Experience

JobGet – Boston, MA – *Conglomerate job board and SAAS product*

Data Engineer, March 2025 – Present

Seasoned was acquired by JobGet. During this time, I maintained my Seasoned responsibilities but also worked integrating ATS data into our unified reporting on a 3 person data engineering team.

- Continued my previous work as Seasoned's sole data engineer, did SME work on Seasoned's data for integration into the combined architecture.
- Migrated our ATS reporting from a previous Seasoned specific system to a JobGet unified reporting.
- Worked as the technical lead on our unified product catalog, combining multiple subscription and credit systems into a single reporting structure.
- Worked on the architecture for the single data platform: set up Snowflake datashares, consolidated down the data infrastructure tools, defined data definitions across the organization.

Seasoned – Pittsburgh, PA – *Hiring platform SAAS for the service industry*

Data Engineer, November 2022 – March 2025

Responsible for reworking the data architecture at Seasoned, sole data engineer at Seasoned after layoffs in January 2024. Worked primarily on our infrastructure systems (Airflow, DBT, Segment/Airbyte) and as a tech lead for the analytics team.

- Acted as the SME for data flowing around the company, point person for identifying and tracing anomalies in data and for integrating new data into our system.
- Took our financial reporting and EOM close from a multi-day manual process to a web app that allows accountants to verify current financial data.
- Generated all the information that goes out to our syndication partners to list jobs every day.
- Implemented DBT to get unit testing and orchestration into the ETL.
- Built out orchestration in Airflow, reducing overall time of the ETL and removing time-based errors.

Drip – Minneapolis, MN – *CRM/email marketing platform for eCommerce*

Data Engineer, June 2021 – November 2022

Responsible for building out the infrastructure of a data intelligence team, stabilizing and modernizing the existing data architecture. Moved the system onto Airflow, created local development and staging environments for developers, built our production deployment process. Integration of monolith/data mart data into HubSpot through Segment after Drip acquired Sleeknote.

- Rebuilt the ETL process, bringing it from a time based system of AWS Batch jobs to a system of dependent jobs orchestrated by Airflow. Added data validation and error logging to the system, exported the core metrics of Airflow into Grafana for analysis.
- Architected the local development and deployment process of Airflow.
    - Created a graceful deployment system in ECS.
    - Created local development environment and staging environments in Docker/ECS.
    - Set up CI/CD in CircleCI.
- Post merger with Sleeknote, responsible for integrating HubSpot with all of our other data sources:
    - Using Segment, migrate our monolith's event streaming from a hand rolled CDP to Segment.
        - Minor Ruby/Rails work, mainly deconstructing data to be sent to Segment though the Segment's Ruby analytics library.
    - Using Segment, build daily imports of less critical data through Airflow and SQL from our data mart through Segment's Python analytics library.
- Acted as the main SME for integrating data with other platforms (Google Analytics, HubSpot, Pendo) and data systems (RedShift, EMR, Airflow).
- Optimized existing Spark jobs in EMR, general DevOps and security work.

Storyblocks – Arlington, VA – *Stock media SaaS platform*

(Senior) Data Engineer, January 2020 – May 2021

Responsible for moving our ETL from AWS Kinesis and JSON storage in S3 to Kafka and Parquet files in S3. Responsible for all of our key business data ETLs. Served as the tech lead after the termination of the other person on the project in March 2020 (Lead Data Engineer). Promoted to Senior Data Engineer in January 2021.

- Continued the process of moving the ETL to more fault tolerant and faster methods. Reduced the overall time of the PySpark ETL from 2 hours to 45 minutes, upping our MTTR. Directly reported to our board and key business stakeholders, responsible for 99.9% uptime.
- Built out the data lake in Databricks on Delta tables and Parquet files allowing analysts to write SQL queries against live data.
- Implemented Great Expectations (Python library for validating data frames) along with building out a full suite of unit and integration tests for our ETL in pytest.
- Move our A/B testing framework from a static pull from an API to an event based framework, allowing us to move from straight A/B testing to multi-arm bandit, etc.

Associate Data Engineer/Data Warehouse Analyst, October 2018 – January 2020

Solely responsible for the ETL process in PySpark and other data related infrastructure work. Built a custom library for data import/export from Google Analytics.

- Moved the main daily ETL processing out of Redshift and into a fault tolerant Spark data pipeline, removing a $50,000/year line item. This included creating a custom data validation and logging library that outputs to S3 and Slack.
- Wrote the daily ETL for the A/B testing framework used by the Growth & Strategy and Product departments for day-to-day business decisions with pandas and the Google Optimize/Analytics API.
- Built a custom Python library for the import of event data into Google Analytics that allows analysts to write SQL to pull, join, and import data into Google Analytics and integrate with RedShift.

- Wrote a daily job to import data from Salesforce into Redshift using PySpark to allow for the analysis of enterprise sales data.

Technical SEO/Marketing Data Specialist May 2018 – December 2018

Responsible for marketing automation and building tools to allow the marketing department to do technical work without development requests.

- Wrote a NSFW tracking system with Google Analytics API and pandas based on search terms and landing pages (a regex optimized with tries/prefix trees) which reduced NSFW traffic from 11% to .3% over a six-month period.
- Similarly built a copyrighted content filter by scraping Wikipedia to create a list of artists and films. Both the NSFW list and copyrighted content list are now maintainable with a simple web interface built with Python (Google Sheets API and pandas).
- Created a desktop application (Mac and Windows) with Python to allow the generation of sitemaps for the SEO team (Redshift and pandas).
- Automated the daily reporting of the SEO department using pandas and pulling financial data from Redshift.

CanIRank?-Remote-*Digital marketing firm focused on small business and start-ups*

Senior Technical Marketing Consultant, March 2017 - May 2018

Focused on data analysis, technical optimization, and website troubleshooting for various clients on a variety of CMS and ecommerce platforms.

- Trained new hires on the basics of HTML & CSS, web hosting, and website configuration.
- Performed basic website configuration: minor backend code changes, writing .htaccess files, redirection, etc.
- Designed interactive maps using SVG and JQuery.
- Analyzed Google Analytics reporting for clients.
- Worked as a technical consultant to fix site speed issues, site structure (headings, alt text, duplicate content, redirect chaining, canonical errors, etc.), and status code errors.

Table.Ninja – Remote – *SaaS start-up focused on the food and beverage industry.*

Marketing Manager, June 2016 – March 2017

As our sole marketer, I was responsible for a wide variety of tasks in digital marketing, mostly focused on data analysis and scripting.

- Analyzed data and produced monthly sales and marketing reports for our investor.
- Built HTML/CSS emails, ensured that they were compatible with all email clients.
- Wrote a basic Ruby scraper to gather contacts.
- Managed our company's blog (WordPress) and created engaging content.

Below experience is not relevant to current roles (business development, content creation, etc.)

AboutWeb – Washington, DC – *IT staffing and contracting firm.*

Business Resource Manager, June 2015 – June 2016

TBS Marketing – Remote – SEO and content marketing firm.

Content Writer, August 2014 – June 2015

Education

Michigan State University – East Lansing, MI

B.A. in Linguistics, August 2014.

- Graduated with highest honors (GPA: 3.96).
- Focused on formal semantics and sociolinguistics research.
- Dean's List: August 2012 – August 2014
- Minors: Pre-Law and International Relations.

Certifications

- Datacamp:
    - Data Scientist with Python
    - Data Analyst with R
- Google Analytics Individual Qualification

Technical Skills

- Proficient knowledge of:
    - Python (NumPy stack, PySpark)
    - SQL (PostgreSQL, SparkSQL)
    - Docker
    - Airflow
    - JavaScript (vanilla, some React)
    - HTML/CSS
- Working knowledge of:
    - R (Tidyverse, Shiny, haven't used professionally in several years)
    - Jenkins (haven't used professionally in several years)
- Some knowledge of:
    - Scala, Linux scripting, Ruby/Ruby on Rails