CLAYTON YOCHUM — Data / ML / Platform Engineer

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EXPERIENCE

Staff Data Engineer, Data Science Enablement & Operations
June 2022 - January 2023
Socure *Remote*
DS support and ML platform at late-stage identity verification startup

- Maintained largest Airflow pipeline for onboarding new customers and models
- Cooperated with offshore development team to validate and integrate their services
- Created new internal python packages enabling more robust pipelines
- Introduced new tools to team like Poetry, Pydantic, mypy, and Gitlab CI.

Lead Engineer, Data Engineering
June 2021 - December 2021
Betterment *Remote*
Centralized data engineering at late-stage fintech

- Rewrote core reporting pipelines in Airflow from R to Python
- Introduced Pydantic into team toolkit for new AWS Lambda tasks
- Simplified developer experience of DE platform, increasing contributions by other teams

Senior Staff Engineer, Data Science / Cloud Platform
March 2019 - May 2021
Everactive, Inc. *Ann Arbor, MI*
First data hire at series B industrial-IOT startup

- Migrated hundreds of millions of IOT packets into TimescaleDB
- Technical lead for company-wide API consolidation project spanning multiple years
- Negotiated strict JSON Schema contracts with hardware teams
- Led shift towards event-driven platform architecture on Kafka
- Wrote python libraries, AWS ECS services for automated failure detection from sensor data
- Involved in all stages of hiring pipeline for subsequent Data Science hires

Data Science Engineer
March 2016 - February 2019
Methods Consultants *Ypsilanti, MI*
Lead engineer at boutique data science & statistics consulting firm

- Architected cloud infrastructure for client solutions in AWS & GCP
- Built ML-powered trading platform for hedge fund on Kubernetes (GKE), Docker, R, Python
- Analyzed billions of rows of geolocation data with R, OpenStreetMap & AWS
- Developed and taught a data science workshop to analysts at a large federal institution
- Contributed technical content to company blog
- Wrote job descriptions for, interviewed, and trained new hires

Data Analyst
August 2015 - December 2017
Child & Adolescent Data Lab, University of Michigan *Ann Arbor, MI*
Part-time industry consultant for data-driven social work lab

- Wrote processing code in R for large, messy, semi-structured administrative data
- Created R packages for use across lab
- Lectured to School of Social Work community on git for data analysis

Business Intelligence Analyst
March 2013 - February 2016
Barracuda Networks *Ann Arbor, MI*
Founding member of Analytics Department within Network Operations

- Processed terabytes of data in R to understand customer data deduplication patterns
- Built and managed a large MySQL data warehouse to enable longitudinal analyses
- Created internal R packages and Shiny applications to predict data center usage

EDUCATION

Michigan Technological University
April 2012
Bachelor of Science in Mathematics, minor in Economics *Houghton, MI*