

ANIKET PANJWANI, PHD

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SUMMARY

- Economics PhD with over 5 years of experience across the entire lifecycle of anti-fraud modelling: developing models in Python, feature development in PySpark/Scala, architecting model monitoring frameworks on terabytes of data across mixed on-premise and cloud (AWS) cluster computing environments
- Built REST APIs both on-prem and on AWS for utilities serving data scientists, managed services with Docker Compose, and managed infrastructure with Terraform
- Founder of [Content Quant](#), a newsletter on local media growth and monetization, with an audience of over 1000 local media operators. Built with Next.js/Payload CMS front end and Dagster/MongoDB backend.
- Developed Typescript [open-source](#) email newsletter plugin for Payload CMS (Resend-compatible).
- Founder & Developer of [Local CMS](#), a SaaS for creating monetizable events directories for local media operators. Built with Convex backend, Next.js frontend, and LLM-powered events data extractions from any source (Facebook, Instagram, webpage).

EXPERIENCE

Senior MLOps Engineer

Oct 2024 - Present

Early Warning Services

Remote

- Architected and developed automated model monitoring framework enabling day 0 monitoring of feature drift across 7 fraud detection models serving hundreds of financial institutions - reducing time to implement monitoring for new models from weeks to hours
- Developed Spark Scala application to profile table growth and partitioning across entire cluster. Automated regular runs with Universal Controller (data orchestrator), stored results in Hive database, and worked with BI developer to represent data in Tableau. As a result, completely removed issues with cluster performance due to lack of space.

Senior Data Scientist (Platform Team)

Dec 2021 - Oct 2024

Early Warning Services

Remote

- Developed Scala synthetic data generation repository in conjunction with engineering team to aid in testing in lower environments, reducing time to execute tests by 50%
- Lead Python rules-based approach to automatically catch 60% of post-ingest data quality issues across 18 data sources and 125 financial institutions

Data Scientist (New Product Development)

Oct 2019 - Dec 2021

Early Warning Services

Chicago, IL

- Developed Spark Scala repository with 157 standardized features, eliminating code duplication and reducing code-related errors by 75% relative to previous year
- Developed model/Dash Plotly dashboard identifying tweets reflecting non-permitted behavior on Zelle network. Trained fraud team on dashboard use, leading to 10% increase in number of non-compliant accounts caught

EDUCATION

PhD Economics, Northwestern University

2023

Master of Economics, Northwestern University

2015

Bachelor of Mathematics, George Mason University

2013

PUBLICATIONS

SKILLS

Programming Languages

Python, R, Scala, Bash, Typescript

Human Languages

English (Native), Spanish (Fluent), Hindi and Russian (Conversational)

Frameworks

SQL, Hive, Spark, scikit-learn, Linux

Other Tools

Docker, Terraform, AWS Cloud Certified, Claude Code