From Discovery to Action: Prioritizing the Key Requirements for Your ML Platform

Lyubomira Dimitrova

Building and Operating AI is complex!

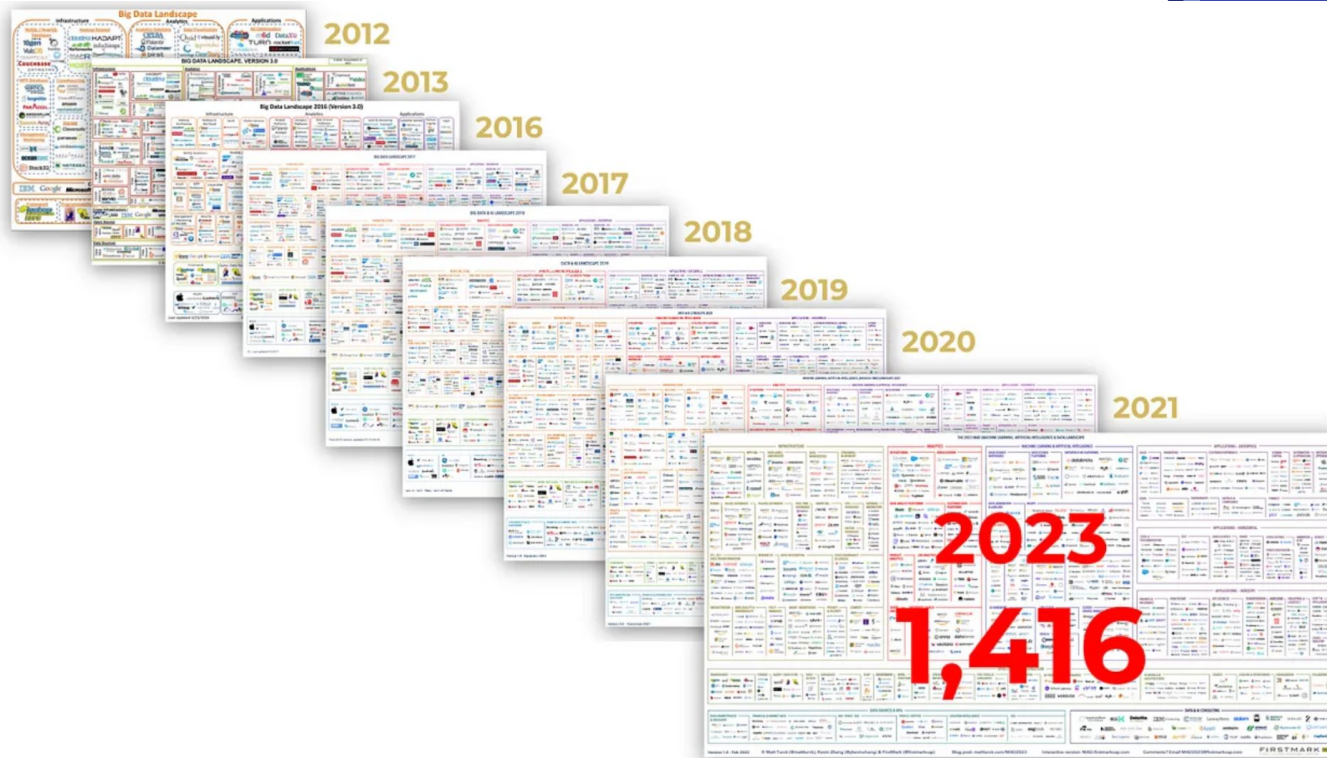Lyubomira Dimitrova, Lead Dev Berlin 2024

Challenges

- **Data everything**

- **Infrastructure and scalability**

- **Model training and optimisation**

- **Model deployment and maintenance**

- **Operational challenges**

- **Ethical and regulatory concerns**

- **Security and robustness**

- **Cost observability and management**

ML Ops

The practice of streamlining and automating the lifecycle of machine learning models, from development to deployment, monitoring, and maintenance. It integrates data science, software engineering, and DevOps practices to ensure that ML models can be reliably scaled, versioned, and continuously improved in production environments.

139 · 2012 · 2013 · 2016 · 2017 · 2018 · 2019 · 2020 · 2021 · 2023 · 1,416

Source: Oliver Molander

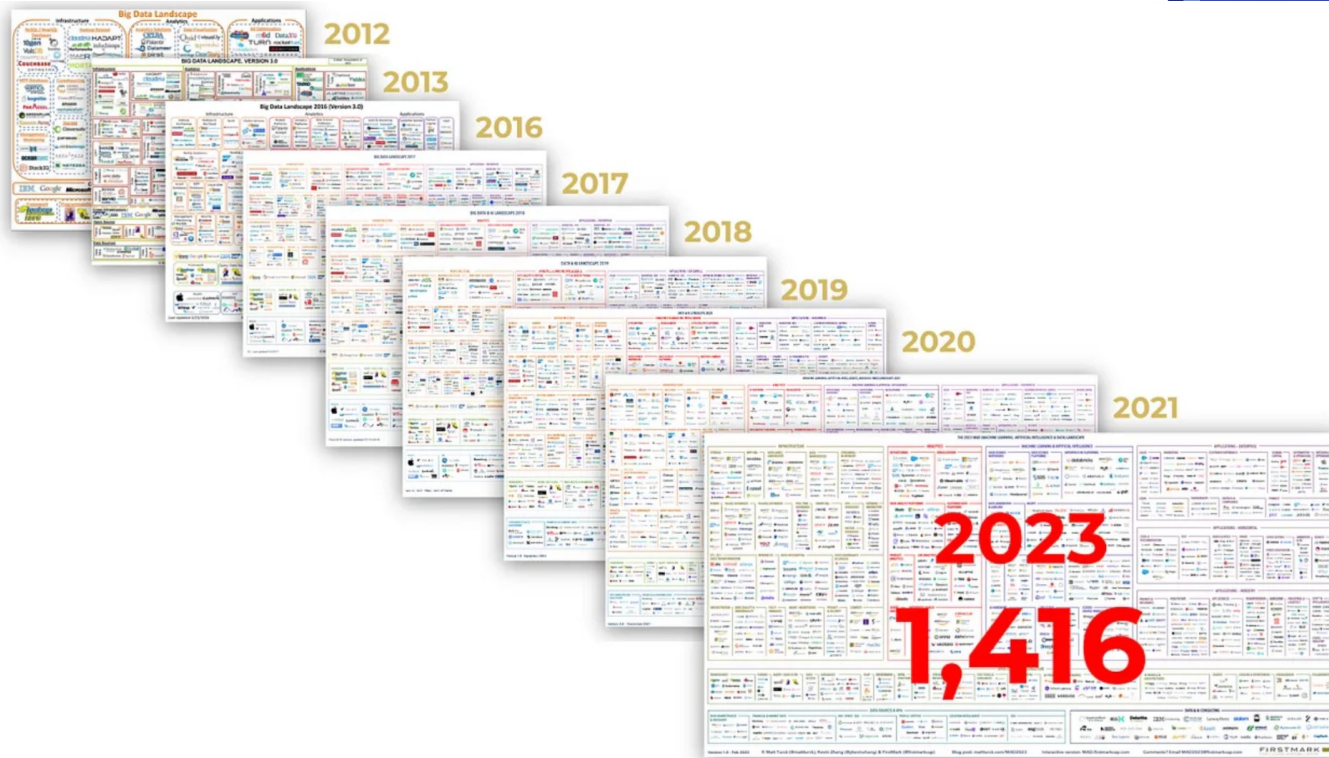# Data labelling back in 2020...

Our Status

- Custom built tool

- Taking pride in internally developed tech

- Highly specialised needs

- Sensitive data

Our Challenges

- Increasing data volume

- Changing requirements

- No dedicated team

- Not a core capability

139

2012

2013

2016

2017

2018

2019

2020

2021

2023
1,416

Back in 2022 there were 100+ different data labelling tools

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How do you choose?

How do you choose?

Objectives

Security & Compliance

Process

Technology

Strategy

People

Discovering requirements

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Discovering requirements

Technology

Discovering requirements

Security & Compliance

Discovering requirements

Strategy

Discovering requirements

Process

People

Methods for discovering requirements

Workshops

User Interviews

Process Mapping & Redesign

Stakeholder Engagement

POCs

Technical Design & Architecture

Discovery and prioritisation

Objectives

Security & Compliance

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Strategy

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Stakeholder Engagement

POCs

PROOF OF CONCEPT

Technical Design & Architecture

Must have/ Constraints

Nice to have

Not essential

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Guide to discover and prioritise your requirements

Feel free to make a copy and modify for your purposes

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Thank you!

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