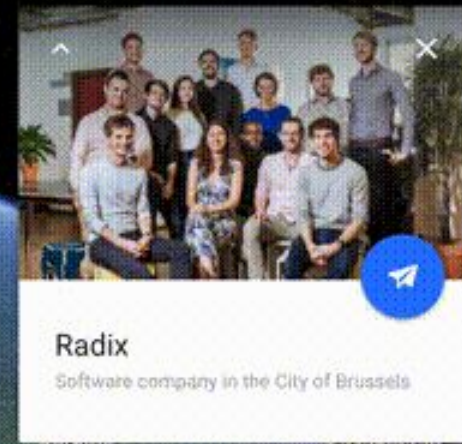


Radix

**We leverage
Artificial Intelligence
to get you ahead.**

Together with you we discover, design
and deploy transformational AI
solutions.

We're an AI service provider



- **Founded in 2018**
- **Based in Brussels & Ghent, Belgium**

We're an AI service provider

Our DNA

- We are a trusted advisor for our clients
- We deliver transformational innovation by leveraging AI
- We go for impact

Our services

Discover AI opportunities

Together with our clients, we discover how AI can be used as a lever for your business

Deliver AI solutions

Develop enterprise-grade and scalable AI solutions that deliver the best user experience

Build AI teams

Help clients build their own AI teams by transferring our knowledge on AI Discovery and AI Solution Delivery through hiring, training, and coaching

We're trusted by



Our experience

AI Strategy offering: Fast Discovery

Fast Discovery is an AI strategy framework that we developed to help teams identify impactful AI use cases.

Through one or more workshops, we gather information on the client's business strategy and value drivers, and identify opportunities for AI ranked according to their business impact, complexity and risk.

As final deliverable, we present to clients:

- **A prioritized list of AI opportunities** that combined together have a large strategic impact
- **A step-by-step guide** to infuse their business processes with AI

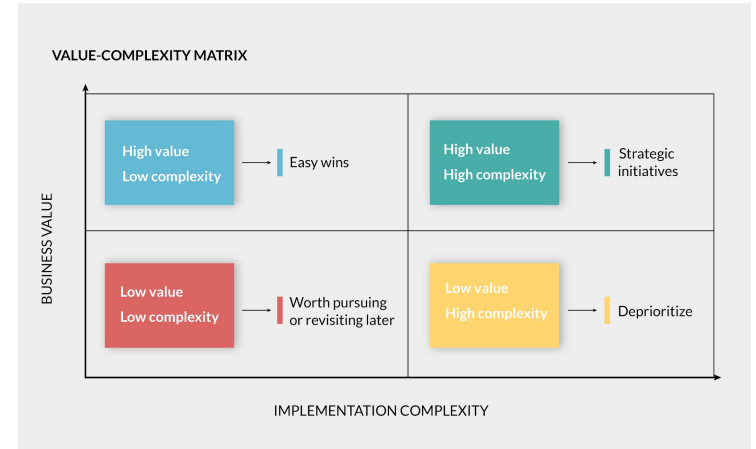


Image source: <https://www.reforge.com/brief/use-a-product-value-matrix-to-prioritize-your-roadmap>



Flanders
State of the Art



Our approach

Based on our experience, we believe that these 4 elements are essential ingredients to the success of the project:



Combine
Business +
People + AI



Measure the
impact, and
maximise it



Bring you a
working
solution from
the start



Iterate quickly
through Agile
development

Our experience

Automated colony forming unit counting at GSK

The goal

1. Reduce the research time needed for developing new vaccines
2. Improving research accuracy

The solution

An application to automate the detection and counting of bacterial colonies (CFUs) in lab samples in order to save time and manual effort of lab technicians

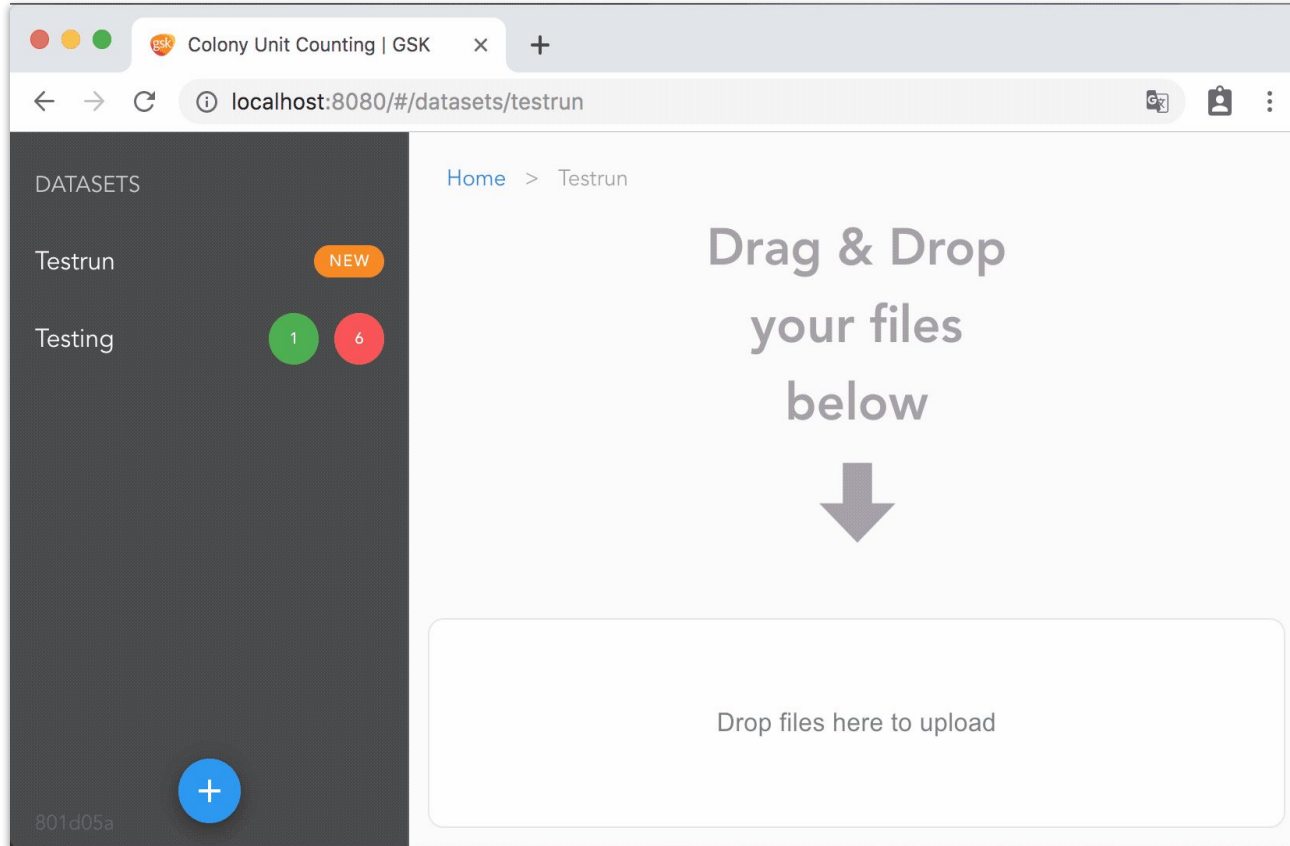
The result

- Up to **6 times less workload** for the lab technician
- **Superhuman accuracy** in the detection



Our experience

The result after two weeks of development



bTag at Brussels Airport Company

The goal

1. Improve passenger experience
2. Increase sales for shops

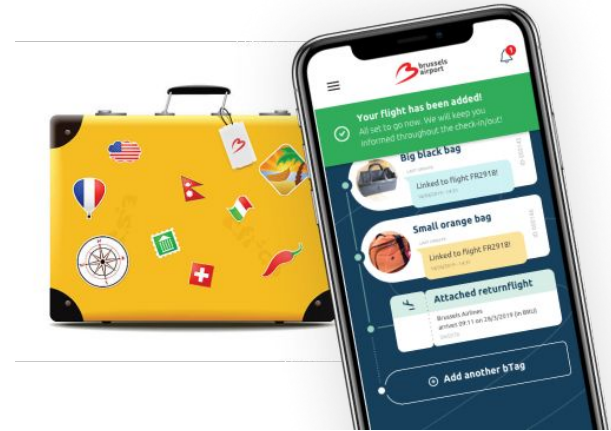
The solution

System to track and predict the location of luggage to improve customer experience.

- Tags you can attach to your bags that allow to follow your bags in real time through the app
- Get notifications after landing about when they will be available at luggage retrieval, which belt and the walking time.
- *"Take your time, then your bags"*

The result

- **Improved customer experience:** 35% of surveyed customers changed their behavior
- **Increased sales:** 14% of surveyed customers purchased an item while waiting



Our experience



Talent API

The goal

Get the right skills at the right time in your organisation.

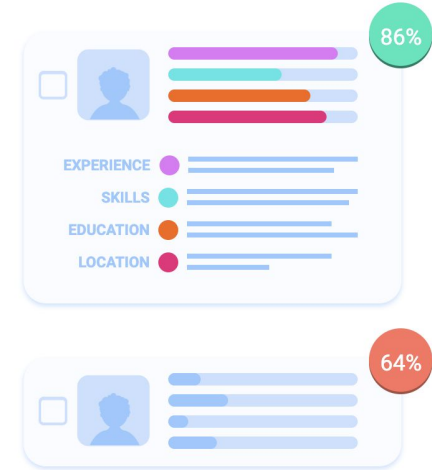
1. Short-term: matching of candidates and vacancies
2. Medium-term: making employees perform better at their current job by matching their skills with courses that help them grow in their career.
3. Long-term: helping employers identify and push the skills that are vital for their organisation's strategy.

The solution

Talent API is an AI powered HR platform that help organisations find, keep and build the talent they need today and tomorrow.

The result

- The recruiting process is more efficient and effective
- Employees are motivated to learn and rotate more within their organisation
- Employers are better able to identify and embed the skills that are strategic to their organisation



Our experience

Production Planning Optimiser

The goal

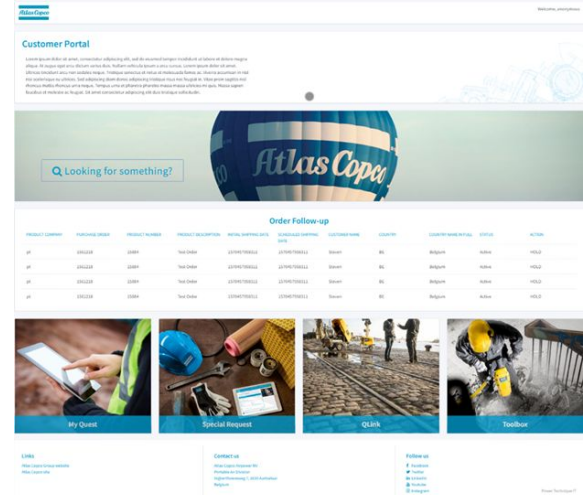
1. Reduce overhead and delays at production facilities
2. Increase customer satisfaction through more accurate delivery dates

The solution

We designed and implemented an optimiser that determines the most optimal production planning in real time.

The result

- AI-optimiser spends **91.6% less time** than a human planner
- AI-optimiser improves the number of **orders delivered on time by 9%**
- AI-optimiser reduces the total **number of days with which orders are late by 17.2%**



Our experience

Orient at VDAB

The goal

Build a new career orientation tool that:

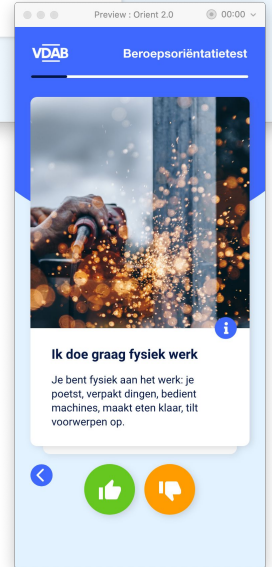
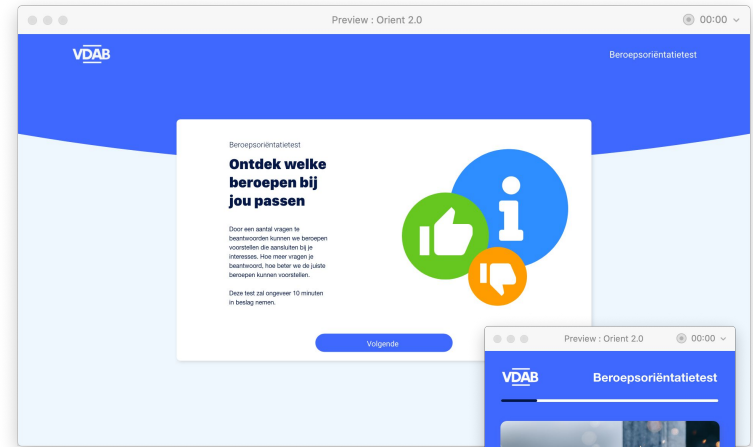
1. Shows relevant suggestions
2. Is easily maintainable
3. Is engaging

The solution

- Similarities between questions and professions are computed based on subword embeddings trained on a VDAB corpus.
- The number of questions to be asked to the user is reduced by keeping a probabilistic belief state that can identify the most informative question to be asked next and indicates when the confidence on the suggested professions is high enough.

The result

- **Reduced completion time:** The average time to fill in the questionnaire reduced from 45 to only 10 minutes, while still pleasing the end-user.*
- **Reduced maintenance:** The weights between questions and professions are computed automatically.



Our experience



Question Answering at Flanders Investment & Trade

The goal

1. Increase response efficiency and knowledge sharing
2. Improve employee satisfaction

The solution

System that searches all prior questions and returns the ones of which the answers might be a good starting point for answering the new question.

- Research that was done before does not need to be repeated.
- New employees or people with less experience in a domain can learn from relevant past cases.
- Employees get reminded of relevant cases they might not immediately think of.

The result

- **Increased response efficiency:** Estimate of 39 workdays saved per month
- **Increased employee satisfaction:** 78% of interviewed users are helped by the tool



Our experience

Automated article tagging at Belga News Agency



The goal

1. Improve user experience in Belgapress app by providing real-time automated tagging of news articles

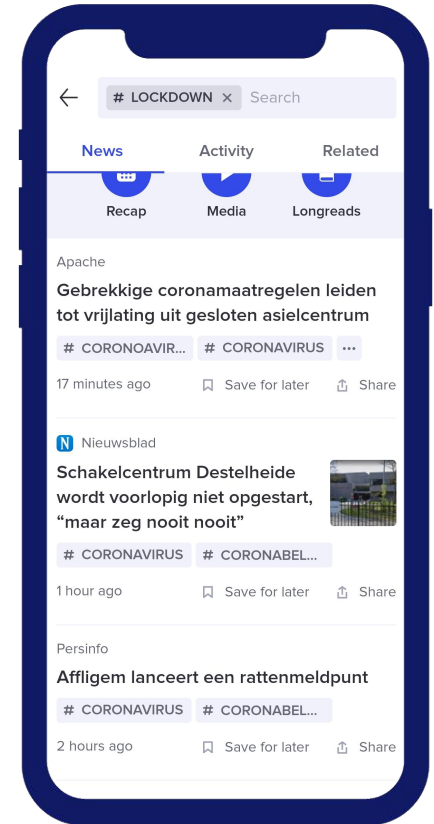
The solution

A system that understands news articles content and topics and applied hashtags based on related articles.

- No need for retraining
- Works for French and Dutch content
- No cold start, new tags can immediately be used

The result

- **Increased efficiency:** The API handles 50k+ articles per day
- **Increased user satisfaction:** 95% of interviewed users are satisfied with the results



AI-Assisted Visual Car Inspection

The goal

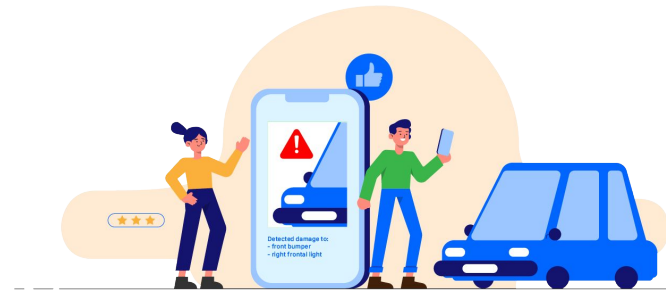
- Minimise cost by **automating the car inspection process** where possible
- Minimise cost by **lowering the bar of expertise needed** to inspect cars
- Ultimately, in a mostly **price-driven market**, capture a much larger slice of the car inspection market
- Coach Macadam in **building up AI expertise** allowing them to build and scale multiple AI solutions

The solution

- A mobile application **scanning vehicles** for irregularities and damages
- A machine learning model able to identify **different types of car damages**
- A **custom data labelling solution** on Microsoft Azure allowing experts to label images and retrain models

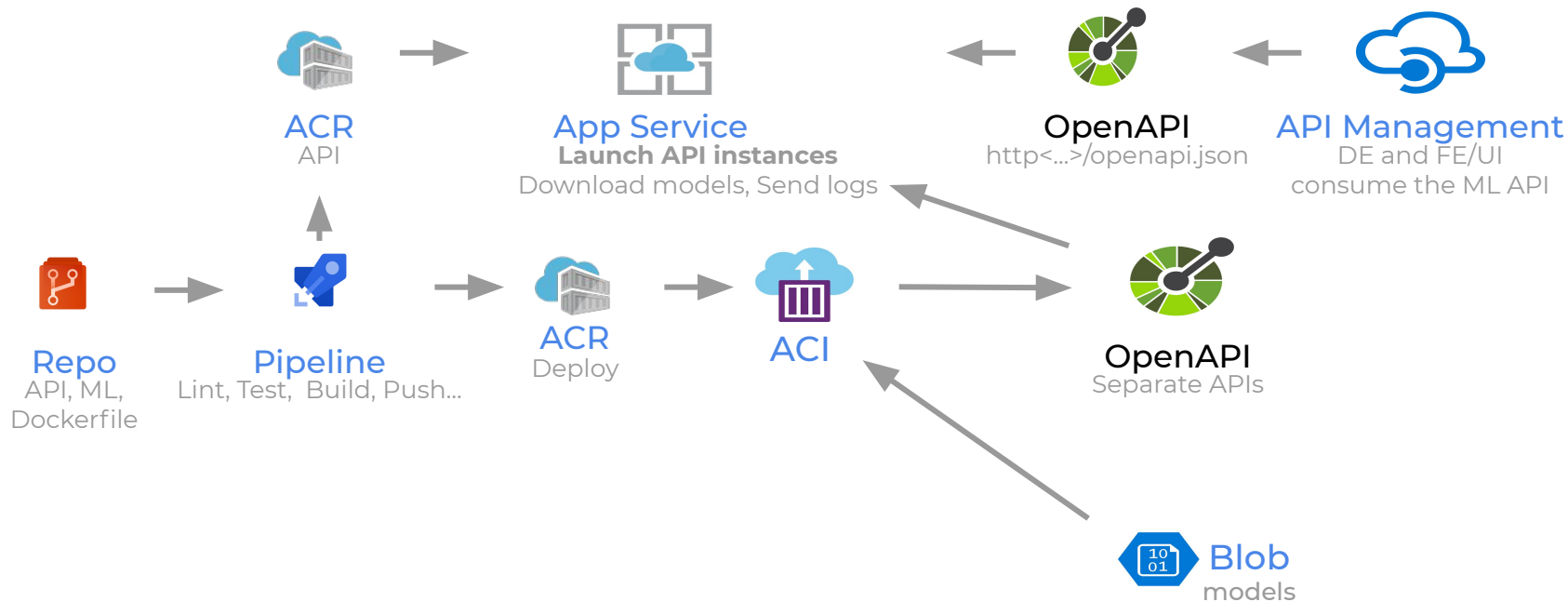
The result

- Increased **number of vehicles inspected per day**
- Reduction in back office **inspection corrections**



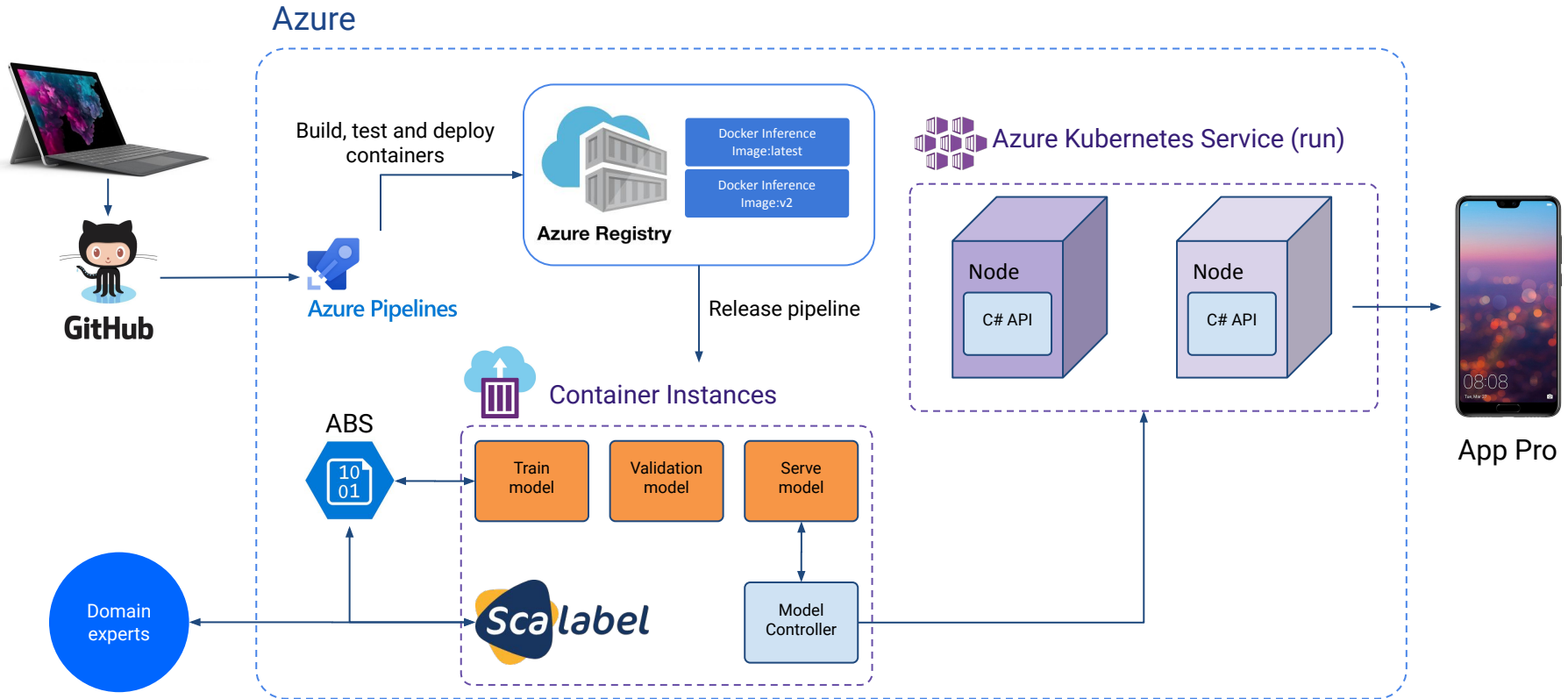
Our experience

Example architecture for a life sciences client



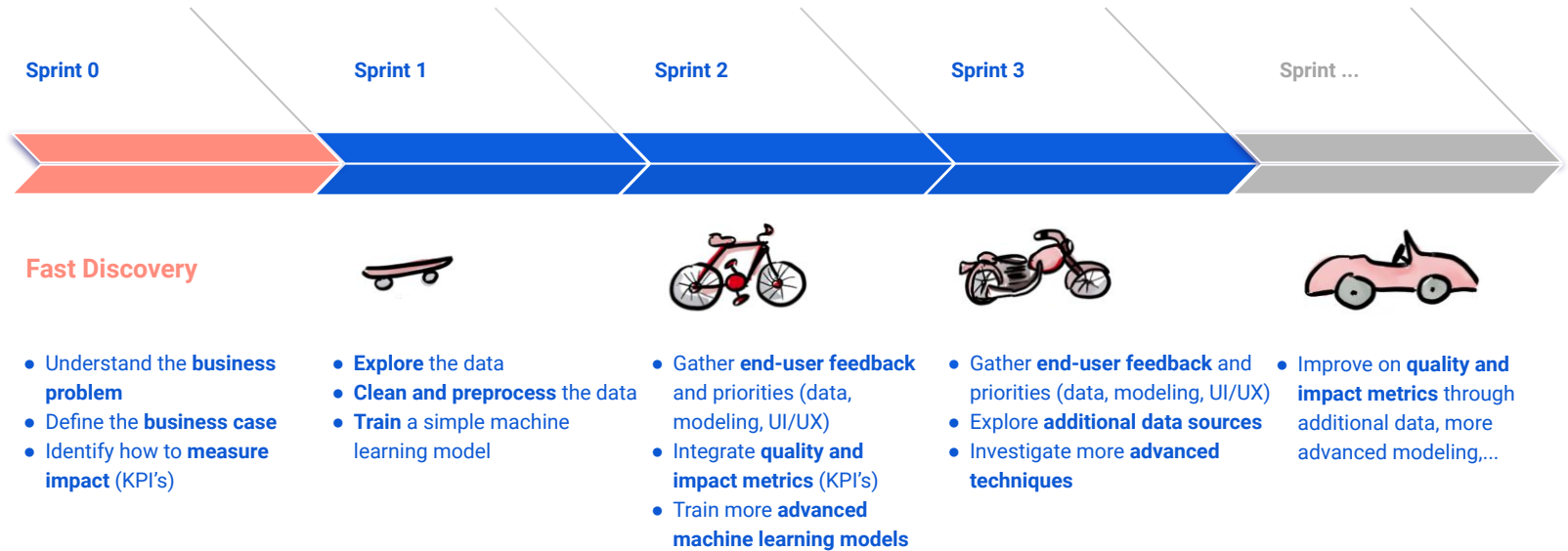
Our experience

Cloud Architecture for model deployment



Our approach

Example timeline of a project



Capabilities

- 1. AI Strategy**
Determine how to use AI as a lever for your business.
- 2. UX/UI Design**
Create solutions that deliver the best AI experience so the users will love it.
- 3. AI Solution Engineering**
Craft efficient AI solutions that are tailored for your business need and ready to scale.
- 4. Data Engineering**
Develop and operationalize data pipelines and storage.
- 5. Software Engineering**
Design, test and develop enterprise-grade software.
- 6. MLOps**
Support, maintain and monitor ML solutions.
- 7. AI Project Management**
Deliver AI solutions on time, within budget and ready to scale.

Contact us

hello@radix.ai

Radix