

# RAPHAËL DEHOUSSE

Freelance - CTO / Agile Project Manager / Scrum Master

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📍 Liège, Belgium



## SUMMARY

I'm a pragmatic hands-on Leader / Project Manager and I'm a solution-oriented technical architect

« True Agile isn't about twice the work in half the time but about doing half the work while producing twice the value »

@stevedenning

## EXPERIENCE

### CTO / Head of Engineering

**Esnah**

📅 09/2019 - Ongoing 📍 Liège, Belgium

IOT / Communication gateway for aircrafts and boats

- Migration to Docker Swarm cluster, dockerizing all NodeJS and Python apps
- Architecture for receiving the IoT data

Environment: Docker Swarm / Apache Pulsar / Ansible

### CEO / CTO

**Data Fellas / BDM Reco**

📅 10/2017 - 09/2020 📍 Liège, Belgium

Big Data and AI

- Managing a team of 7+ people both local and remote
- Created a full recommendation system with Python, Kafka, PySpark and SQL
- Responsible for the relationship with the customers (B2B) and project management

Environment: PySpark / Docker / Kafka / Metabase

### Agile ICT Project Manager

**The Faktory**

📅 08/2016 - 08/2019 📍 Liège, Belgium

Startup Incubator

- Helping startups to organize their team and product

Tools: Jira / Confluence / Gitlab CI

### Solution Engineer / Agile IT Project Manager

**Proximus**

📅 11/2013 - 07/2016 📍 Brussels, Belgium

Belgian Telco Operator - Proximus TV

- Delivering new ProximusTV website and apps
- Implementing Scrumban for operations

Tools: Jira / Confluence / Gitlab CI

## INDUSTRY EXPERTISE

Leadership



Agile / Scrum / Lean



Project Management



DevOps / CI/CD / Docker



Python



NodeJS



SQL



Big Data & AI



## EDUCATION

### AgilePM Practitioner

**APMG International**

📅 06/2016

### Prince2 Foundation

**APMG International**

📅 10/2015

### PSM 1 + PSPO 1

**Scrum.org**

📅 02/2015 + 06/2015

### Bachelor in Computer Science - Network & Telecoms

**Haute Ecole de la Province de Liège**

📅 2004 - 2007

## LANGUAGES

French



English



# DETAILED EXPERIENCE

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## CTO / Head of Engineering

### Esnah

📅 09/2019 - Ongoing 📍 Liège, Belgium

IOT / Communication gateway for aircrafts and boats

- As CTO, I participated to strategic decisions for the company and established the technical architecture for the solution.
- I created the distributed architecture for the solution to be scalable, resilient and performant using Docker Swarm for the orchestration and Apache Pulsar for the messaging system. APIs received the IoT data and serialized them in Apache Pulsar. Jobs consumed to data to perform different actions like quota management, statistics creation, etc. Thanks to this architecture, we created asynchronous bots to "respond" to messages sent by the crew.
- As Head of Engineering, I managed the development team and organized the development using Scrum.
- I also organized regular 1-2-1 for each member of the team for their personal development.

Environment: Docker Swarm / Apache Pulsar / Ansible

## CEO / CTO

### Data Fellas / BDM Reco

📅 10/2017 - 09/2020 📍 Liège, Belgium

Big Data and AI

- As director, I recruited and managed a team of 7+ people both local and remote. The team was composed of data scientists, data engineers, developers, a system engineer and a business dev.
- I was responsible for the relationship with the prospects and customers (B2B), organized the demonstration and collected their inputs for our product.
- I created the distributed architecture for the solution to be scalable, resilient and performant around Kafka. This architecture were composed of APIs to collect data serializing them in Kafka and Jobs that consumed the topics of Kafka and produced their results (like data cleansing, enrichment, featurization, ...) back in Kafka or in a DB.

Environment: PySpark / Docker / Kafka / Metabase

## Agile ICT Project Manager

### The Faktory

📅 08/2016 - 08/2019 📍 Liège, Belgium

Startup Incubator

- In order to help the startups to organize their team and product, I organized workshops about agility and Scrum, with the role of the Product Owner and priorities management around **product value**

Tools: Jira / Confluence / Gitlab CI

## Solution Engineer / Agile IT Project Manager

### Proximus

📅 11/2013 - 07/2016 📍 Brussels, Belgium

Belgian Telco Operator - Proximus TV

- For the new ProximusTV website and apps, I managed a team of up to 12 people (web integrator, frontend/mobile and backend developers and functional analyst; onsite and offshore).
- To improve the operational team, I implemented Scrumban to have more transparency and better communication, with "backlog" mgmt, daily standups and retrospectives

Tools: Jira / Confluence / Gitlab CI