



Thijs Cobben

Data Architect

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Personal Details:
July 3rd, 1971 ■ Dutch
Male ■ divorced/co-parent

Goal driven and hands-on data engineer with extensive industry knowledge and leadership experience.

Compelling motivator with strong interpersonal skills and aptitude for multi-stakeholder relationship creation and management. Adept in team dynamics and leadership with aim to enhance productivity and communication and focus on strategic goals. Looking for his next leadership role within a data intensive and ambitious environment.

Areas of Expertise

- Software Development
- Python data frameworks
- Containerisation & Orchestration
- Data Engineering
- AI/ML Ops
- Data Visualisation
- IT Strategy & Planning (SAFe)
- Lean Startups
- Engineering Methodologies

Career Highlights

Senior Data Engineer, Het Kadaster, Zwolle

2021 – 2022

Within the "Dutch Data Walhalla Het Kadaster", I lead a team of data engineers and GIS specialists responsible for GIS/data processing (flows, pipelines) tools development.

- Reverse engineered a key application from undocumented legacy to a self-designed up-to-date tech stack more adhering to internal standards and external guidelines: Prefect, Postgres/Postgis, Python, Geopandas, pandas, k8s, Docker, gitea
- Co-designed the architecture for the new internal "Maatwerkplaats" a platform for generic report generation on internal ownership and topographical and external data sources, based on FME Server

Lead architect, Talpa eCommerce, Amsterdam

2020 – 2021

Lead and manage seven Tech Leads in management of their own teams in order to maintain numerous applications and services within company landscape. Administered hybrid legacy architecture, MariaDB/Postgresql, PHP (Symfony, ZEND), Kafka, Dockerisation and Virtualisation, AWS, strangler pattern, and technical department management.

- Optimised recommendation strategies and increased margins through design of *Continuous Deployment for Machine Learning* achieving more than 10% reduction of time to market for DataScience experiments.
- Improved engagement optimization in setting up Gerobi Linear Solver engine for better daily calculation of "subscriber x message x channel" matrices by resolving large sets of inequalities

Full stack software engineer, SURF, Amsterdam/Utrecht

2016 – 2019

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Spearheaded workflow application development that automatically manages all subsystems that control and administer 1M+ subscriber internet network. Developed applications using ReactJS/ Gitlab/ Docker/ Kubernetes/ Python and Flask. Co-established research data management platform (b2share, python/flask, jsonschema, REST API) as well as file vault service (b2drop) based on technology of Owncloud.

- Designed and implemented network visualisation component enabling engineers to rapidly supervise and control large amounts of information regarding ports and services.
- Formally represented SURFsara in various boards of the EU Horzions2020 project, EUDAT *Collaborative Research Infrastructure*

Additional Experiences:

General director a.i. | Nederlands Vestingmuseum **2015**

After serving five years as a volunteer board member, I was honored to serve the museum as its interim director for over year. 400K google grant. Lead 5 staff and 100 volunteers operating and further developing the museum.

CTO | TruQu.com **2012**

Ratings and recommendations for professionals and organisations in the services industry to incorporate (client) feedback in performance management. Founded business from ground-up, crowd funding success with Symbid, onboarded launching customers amongst which Deloitte NL.

IT Director | MediQuest **2012**

Collect, analyze and present health care data as "actionable insights" to clients of MediQuest. Drove management of application development and production, in various roles amongst which as interim IT Director, together with a dedicated team of Polish programmers working for years for MediQuest under my supervision.

CTO | Vroemm.nl **2007-2009**

Insurance site Independier spin-off for car insurance leads generating car site. Machine Learning training models for deprecation of prices on downloaded snapshots of all used car ad sites.

CTO | Abfab.nl **1998-2002**

Internet agency for relatively large clients like Financial Times, Sony, NOB, Philips. Marketing Analysis Platform and Flexible Marketing Platform (google tag manager avant la lettre). Multiplayer Games Platform, Opt-out e-mail marketing.

Freelance Developer | Various Clients **1998-2020**

Built and maintained multitude of near-shore (Poland, Ukraine) development teams to cost-effectively deliver software projects on time and within budget.

Education

Master of Science in Cognitive Artificial Intelligence & Mathematical Logic

Utrecht University, Netherlands

Achieved PhD position at Computer Science department of Technical University Eindhoven for 2+ years

Technical Proficiencies

Python, UNIX, RDBMS, AWS, CI/CD, Git, Jenkins, Flask, React, Docker, K8s, Airflow, Pandas, Atlassian