



Mathias Knop

FREELANCE DX CONSULTANT

Profile

Skilled and dynamic freelance Digital Transformation Consultant with a solid background in Software Development, Business Analysis and Project Management. Adept in managing business and technical requirements, and collaborating with customers to achieve their Industry 4.0 transformation journeys.

Employment History

DX Consultant, Yokogawa Europe

APRIL 2021 – OCTOBER 2021

Following the latest trends in the industrial automation industry, I am working as a Digital Transformation (DX) Consultant both for internal DX transformations as for advanced customer projects.

The demand of Yokogawa's customers to deliver more complex and digitalised applications is rising. This demand requires resources that have skills on both the automation side as on higher level software integration and the connection with business applications.

The general digital transformation strategy will be designed to:

- 1) Help project managers to deliver more advanced solutions
- 2) Guide customers towards new possibilities and modernization
- 3) Set new standards in the automation world

The objectives of the consultant will be to:

- Design and develop internal software solutions (e.g. quality assurance, time writing, asset tracking, service reports, etc.)
- Deliver advanced automation projects with the latest products (e.g. FastTools)
- Proactively introduce, propose and potentially lead internal DX transformation projects (e.g. global online project management portal)

Business Manager, ALTEN Belgium, Brussels

AUGUST 2020 – PRESENT

- Business development within IT and Engineering sector
- Recruitment of high potential engineering profiles
- Management of a business unit (people management, P&L, etc.)
- Public tendering
- Consultancy in the Manufacturing, Process and Semiconductor industry

International Lead Business Analyst, Yokogawa HQ, Tokyo

JANUARY 2019 – AUGUST 2020

- Main mission: agile & digital transformation in a 4B \$ revenue company
- Creation, follow-up and reporting of the project planning (MS Project)
- Maintaining and prioritizing the product backlog (Azure DevOps)
- Facilitating the agile meetings (Sprint Review, Sprint Planning, etc.)
- Scheduling global webinars for UAT and Release events (MS Teams)
- Defining the cloud architecture (Azure stack)
- Creation of new dashboards for stakeholders (MS Power BI)
- Collaboration with remote development team in Romania
- Coordination of two other Business Analysts in Tokyo and Singapore

Details

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NATIONALITY

Belgian

Links

[LinkedIn](#)

[DX Consulting](#)

Skills

Industry 4.0 Transformation

Business Development

Agile Project Management

Software Development

PLC/SCADA Engineering

Low Code Development

Technologies

Languages

Dutch

English

French

Hobbies

Home Automation

Travelling

Dining

Fitness

Application Engineer, Yokogawa Belgium, Zaventem

JULY 2017 – AUGUST 2020

- Design, development and implementation of industrial applications for the Manufacturing and Process industry
- Project execution from A to Z: requirements gathering, drafting specifications, implementation, testing (FAT/SAT) and commissioning
- C# .NET, Entity Framework, WPF, WinForms, SQL Server, Crystal Reports, OPC, Yokogawa (PLC, DCS, SCADA, PIMS), Virtualization (Hyper-V)

Junior Project Engineer, E3-COMFORT, Herent

NOVEMBER 2017 – JUNE 2018

- Preparation of offers based on technical specifications
- Time and material estimation based on project requirements
- Creation and follow-up on the planning of a team of technicians
- Discovering the technical products (KNX, Loxone, Niko Home Control, etc.)

Concept Store Sales Consultant, Legrand, Brussels

FEBRUARY 2016 – JUNE 2018

- Advising the customer on Legrand's product portfolio
- Preparation of bill of material and sales proposal
- Managing the concept store

Software Developer, Materialise, Leuven

JULY 2016 – AUGUST 2016

- Summer internship
- Agile software development in .NET for adding multilingual options to industrial 3D printing software with an international development team
- C#, WPF, SQL, VSTS

Embedded Software Engineer, Zora Robotics NV, Bruges

OCTOBER 2017 – NOVEMBER 2017

- Student job
- Embedded software engineering for a voice-isolation project
- Python, Matlab, C

Education

Master of Electronics and ICT Engineering Technology, Vrije Universiteit Brussel, Brussels

SEPTEMBER 2014 – JUNE 2018

- Specialization in wireless networks
- Graduated with highest distinction (summa cum laude 89%)
- Thesis around Smart Buildings titled "Evaluation and implementation of a WSA in large buildings" (18/20)
- 3-month internship at Yokogawa Belgium (18/20)

References

References available upon request

Courses

VCA, PVI

JULY 2018 – JULY 2025