



Dmitri Visser

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"Every scientist I've worked with didn't want to manage their data; they wanted to do science. Building R&D data platforms that give scientists that focus back is what drives me. I don't just build point-to-point interfaces; I architect digital ecosystems, with the understanding that what is designed in R&D shapes the data foundation of the entire organisation."

Job Experience

CureVac (a BioNTech Company)

Solution Owner Lab Informatics

Tübingen (Germany) | 05/2025 – **current**

- ▶ Driving the integration of lab informatics:
 - Architecting instrument integration of ELN/LIMS: HPLCs with Chromeleon CDS, Liquid handlers, Plate readers
 - Integration of R&D tools, API development, Cloud integration
 - Vendor management for commercial SDMS and Data Lakehouse solutions
- ▶ Introduction of LabVantage LIMS: driving the digital transformation of multiple departments (GxP and non-GxP)
 - Business process analysis, Vendor and business stakeholders management, System administration
 - Computerised Systems Validation (CSV) according to GAMP5, Maintaining 21 CFR Part 11 compliance
 - Master data management
- ▶ Technical Lead for a new internal R&D discovery and ordering platform (non-GxP)
 - Ontology modelling, Knowledge graphs
 - Business process analysis, RfP writing

Solution Owner LIMS

Tübingen (Germany) | 10/2023 – 04/2025

- ▶ Solution Owner Sapio LIMS and ELN (non-GxP)
 - Creating pipelines for scientific data management
 - Cloud (Microsoft Azure) integration, DevOps, Asynchronous message buses

Eberhard Karls University of Tübingen

Graduate Researcher (PhD Student)

Tübingen (Germany) | 05/2019 – 04/2023

- ▶ Biomaterial development, automated analysis of spectroscopical and microscopical datasets, image processing, multivariate data analysis, CAR-T cell monitoring with Raman spectroscopy
- ▶ BSL2 Wet-lab work. Setting up new laboratories, maintaining SOPs. Student thesis supervision.

NMI Natural and Medical Sciences Institute

Research Assistant

Reutlingen (Germany) | 01/2019 – 04/2019

- ▶ Primary cell isolation, microscopical image analysis

Visiting Master Thesis Student

Reutlingen (Germany) | 05/2018 – 12/2018

- ▶ Development of tissue engineering bioreactor for vascular grafts.

Fraunhofer Institute for Interfacial Engineering and Biotechnology

Visiting Research Intern

Stuttgart (Germany) | 09/2017 – 04/2018

- ▶ Electrospinning of polyurethane vascular grafts, testing in accordance with ISO 7198

Education

Eberhard Karls University of Tübingen

PhD

Tübingen (Germany) | 2019 – **2023**

Delft University of Technology

Master of Science (MSc) Biomedical Engineering

Delft (The Netherlands) | 2016 – 2018

Delft University of Technology

Bachelor of Science (BSc) Applied Physics

Delft (The Netherlands) | 2013 – 2016

Skills

Lab Informatics

- LabVantage LIMS (as Solution Owner and System Admin)
- Sapio ELN and LIMS (as Solution Owner, System Admin, Plugin Developer)
- Chromatography Data Systems: ThermoFisher Chromeleon CDS
- Message Buses, API development
- Master Data Management
- Ontologies: RDF Ontology, Web Ontology Language (OWL), Serialisations (RDF/Turtle)
- Business Process Analysis

Computer System Validation

- Computer System Validation (CSV) according to GAMP5
- Solution owner of validated systems in GxP departments

Software Development

- Tech stack: Python (incl. FastAPI, flask), MATLAB, C / C++
- DevOps in Microsoft Azure, GitHub Actions, Terraform, containerised Apps

Project management

- ITIL4
- Agile Project Management

OS

- Linux
- Windows

Laboratory skills:

- Raman Microspectroscopy
- Cell culture, wet-lab work BSL2
- Student Supervision, Device Training
- Electrospinning and Biomaterial Development
- Testing and evaluation according to ISO 7198 and ISO 10993-5

DTP:

- LaTeX
- MS Office
- Adobe InDesign

Languages and Interests

Languages:

- Dutch (native language)
- English (C2, full professional working proficiency, certified by IELTS + TOEFL)
- German (C2, full professional working proficiency)

Interests:

- Outdoor sports, trekking
- Analogue Photography
- Forró (Brazilian social dance)

Publications

Papers:

Cells, **2020**, 9 (3), 778. doi.org/10.3390/cells9030778

ACS Omega, **2022**, 7 (44), 39772-39781. doi.org/10.1021/acsomega.2c03731

J Mater Chem B, **2023**, 11 (10), 2207-2218. doi.org/10.1039/D2TB02602C

Conference Talks:

Berlin, BMBF Konferenz: ProMatLeben

2019

Maastricht, TERMIS 6th World Congress

2021

Posters:

various posters and short talks on virtual symposia and conferences during Covid-19 pandemic