# Bjoern Mueller

## Product Owner | Data Enthusiast

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- 📍 Essen, Germany

## Brief profile

- Extensive experience of approx. 5 years as **a Product Owner** in agile, interdisciplinary teams
- Proven success in the automotive industry with projects for clients such as BMW and VW
- Team leadership, productivity improvement, implementation **of agile methods** in **SAFe** & **Scrum**
- In-depth knowledge of **Python, SQL** and agile tools such as **JIRA** and **Confluence**
- **International experience** through work in Germany and China
- Strong analytical thinking, hands-on mentality, enjoyment of interdisciplinary collaboration, ability to adapt quickly to new industries and cultures

## Work experience

| Structured training programme | 10/2024 - present |
|---|---|

- Coaching for executives
- Combined training in data science and IT project management

| Product Owner | 04/2023 – 10/2024 |
|---|---|

Itemis AG, Remote, Germany

Involved in the development of an [architecture modelling tool](#) in the automotive sector in a Scaled Agile Framework (SAFe) on behalf of Cariad (Volkswagen):

- Leading one of more than 10 development teams revolutionising one of Volkswagen's most important R&amp;D tool chains
- Successfully developed the team in terms of developer skills and overall team productivity

| Product Owner | 11/2021 – 04/2023 |
|---|---|

Aptiv Services Deutschland GmbH, Wuppertal/Munich, Germany

Additional responsibilities to the role of Function Owner:

- Management of a cluster of up to 6 Function Owners and 4 Master's students
- Alignment and structuring of work packages in close contact with the customer (BMW)
- Internal project management as well as preparation and management of all agile formats (daily stand-ups, sprint planning, retro, etc.)

| Sensing Function Owner | 02/2020 – 04/2023 |
|---|---|

Overall responsibility for the development of neural networks for object recognition for camera-based control units in the field of driver assistance systems and autonomous driving:

- Coordination and planning with software development and test departments
- Requirement engineering, troubleshooting, test drives and evaluation using Python scripts locally and on a cluster
- Supply chain management, coordination with customers regarding requirements, KPIs and project progress

| Chief Engineer ADAS Systems | 12/2018 – 02/2020 |
| --- | --- |

EDAG Engineering GmbH, Munich, Germany

Management of the development of control units for camera-based driver assistance systems on behalf of BMW:

- Supply chain management: Monitoring and controlling the hardware, software and system architecture development of Tier 1 supplier Valeo, including delivery
- Internal coordination with BMW on further development steps
- Testing of vehicles and components

| Integration assistant | 08/2018 – 12/2018 |
| --- | --- |

Integration Model Essen e.V., Essen, Germany

Supporting people with mental and physical disabilities in their everyday lives and organising and carrying out leisure activities (accompanying the application phase)

| Working student Customer Data Analytics China | 10/2017 |
| --- | --- |

BMW China Services Ltd., Shanghai, China

Project: Customer Data Analytics China

- Time series-based analyses of customer behaviour locally (via Python & Jupiter Notebook) and on a Hadoop cluster
- Python-based statistical visualisation of the analysed data, including presentation

| Working student Prototyping and testing, benchmarking, mechanical/electrical design | 07/2013 – 10/2017 |
| --- | --- |

Kiekert AG, Heiligenhaus, Germany

- Parallel to dual bachelor's and master's degree programme
- Tasks: Construction, PCB design and PLC programming

# Education

| Advanced training: Data Science and IT Project Management | 10/2024 – 05/2025 |
| --- | --- |

cimdata Bildungsakademie GmbH, Remote, Germany

Further training in:

- **Project management** in IT, including agile principles according to SCRUM
- **Data science**: advanced Python, SQL, AI/ML principles

| Master of Science: Mechatronics | 09/2015 – 07/2018 |
| --- | --- |

Bochum University of Applied Sciences, Bochum, Germany

- **Specialisation subjects**: Laser technology, radar sensor technology, technical management, safety in vehicle and process engineering

| Bachelor of Engineering: Mechatronics and IT | 09/2011 |
| --- | --- |

Bochum University of Applied Sciences, Velbert/Heiligenhaus, Germany

Dual study programme in combination with IHK training:

- **Specialisation subjects**: Automation, design, mechatronics, computer technology and networks

| Industrial mechanic | 09/2011 – 07/2013 |
|---|---|

Kiekert AG, Heiligenhaus, Germany

IHK training as part of a dual study programme

# Programming languages &amp; tools

### Data Science

**Python** (advanced, PCEP)  ● ● ● ● ○

Libraries:
- NumPy, SciPy, Scikitearn
- Matplotlib, Seaborn

IDEs:
- Jupyter Notebook, Visual Studio, Spider

**SQL / NoSQL** (basics)  ● ● ○ ○ ○
- Joins, window functions, subqueries

**GitHub**  ● ● ○ ○ ○
- Repository handling (cloning, commits, etc.)

### Other programming languages

**Java** (basics)  ● ● ○ ○ ○

**MATLAB/Simulink** (basics)  ● ● ○ ○ ○

**DXL** (Doors, basics)  ● ○ ○ ○ ○

**C** (advanced)  ● ● ● ○ ○

**C++** (basics)  ● ● ○ ○ ○

## Programmes & Tools

| MS Office | | |
|---|---|---|
| - PowerPoint<br>- Word | - Excel<br>- Outlook<br>- OneNote | - Project<br>- Visio |
| Agile and Requirement Tools | | |
| - JIRA<br>- Notion | - Confluence<br>- Miro | - Doors<br>- Polarion |

## Languages

**German**

(native language – C2)

**English**

(near native – C1)

**Spanish**

(basic – A2)

## Further training

### Agile and Requirements

- Professional Scrum Master 1
- IREB Requirement Engineering
- System modelling based on SysML fundamentals

### Other

- Machine/computer vision (basics)
- ISO 26262

## Person

- Strong analytical thinking
- Enjoy working in an interdisciplinary team
- High level of intrinsic motivation and self-organisation

- Ability to adapt quickly
- Intercultural skills
- Hands-on mentality

## Interests

Padel tennis          Scuba diving          Cook          Travel