



Max Bielka

curriculum vitae

Apprenticeship

2014-09 – **IT Specialist for Software Development 3 Year Apprenticeship shortened to 18 months**, BBS GuT,
2016-01 Trier

Work Experience

- 2024-11 – **Solution Manager**, NORDCLOUD - AN IBM COMPANY, Gütersloh - Homeoffice
Now Solution Manager
- Solution Manager for Cloud
 - Working on Deals size 500k - 10 mio. for the DACH Area
- 2023-04 – **Solutions Architect**, FUJITSU SERVICES, Hannover
2024-10 Solutions Architect BACS
- Solutions Architect for Microsoft Azure Cloud Native Development
 - Lead Architect for SAP on Azure Proof of Concept
 - Cloud Transition from private Cloud environment
 - Cloud native consulting for our customers
- 2022-02 – **Software Architect**, GEA FARMING TECHNOLOGIES GMBH, Bönen
2023-03 Software Architect
- Product Development Milking Systems
 - Interfacing between PO / PM Structures for technical specifications
 - Technical decisions in our code architecture
 - SCRUM Master activities to keep the team cohesive
 - Extended Support to other Teams / Projects
- 2021-01 – **Senior Software Engineer**, GEA FARMING TECHNOLOGIES GMBH, Bönen
2022-01 Software Engineering
- Product Development Herd Management System
 - Development, Support and Integration our Herd Management Product
 - Full Stack Software Engineering
 - Continuous Integration / Continuous Deployment Jenkins / Azure DevOPS
- 2016-11 – **Software Engineer**, ARVATO DISTRIBUTION SCS-IT, Gütersloh
2020-12 Software Engineering
- Product Development WCS (Warehouse Control System)
 - Development, Support and Integration our WCS Products
 - Full Stack Software Engineering
 - Warehouse Integration in 26 Warehouses Worldwide
 - Continuous Integration / Continuous Deployment Azure DevOPS
 - Extended Support SCS-IT USA on site
 - AI Development Udacity Bertelsmann Challenge Course
 - Development of Neural Networks with pytorch
- 2016-02 – **Software Developer**, OPC CARDSYSTEMS GMBH + IPROLUX S.A.R.L., Wasserbillig
2016-10 Software Development
- Full Stack Development POS (Point Of Sales) Systems
- 2014-09 – **Apprenticeship Fachinformatiker IT Specialist for Software Development**, OPC CARDSYSTEMS
2016-01 GMBH + IPROLUX S.A.R.L., Trier
- Main challenges: Project Work
- Full Stack Development POS (Point Of Sales) Systems

Project List

2019-2023 **Product Development Warehouse Control System AGVs, ARVATO SCS-IT**

As the first member of the WCS family, a middleware is being developed to establish communication between Automation Guided Vehicles and ERP systems. This product is in the implementation phase, and my role since the conception phase has been that of a technical advisor. Experience with business units outside of Europe has already had a positive impact here. The goal is to host the middleware as a Dockerized service in our Kubernetes, as response times are not the highest priority for this project, unlike Armada.

2017-present **Product Development Warehouse Control System Armada 2.0, ARVATO SCS-IT**

A new development as a product with revolutionary approaches. The project was developed as middleware and has already gone through three major project phases. In the DevOPS concept, various projects were developed as a product in dotNet 4.7 + dotNet core 2.1. As a team, we have supported the implementation of Armada 2.0 in 26 warehouses worldwide since 2017 and lived up to the product idea. The current project phase is to lift the code to cloud optimized.

2016-present **Product Development Warehouse Control System Armada 1.0, ARVATO SCS-IT**

The existing c dotNet 4.5 project had to be taken over. New requirements had to be implemented and supported until the start of Armada 2.0 and the migration of the legacy warehouses. The project served as middleware between the SAP ERP systems and the conveyor technology of the respective warehouses. Various services were implemented that mapped communication for the conveyor technology between PLC and SAP. My main task was operational support, further development, and driving the replacement of Armada 1.0 forward.

2015-2016 **Server/Database Development Chip Card System, OPC/IPROLUX**

In the project series, I joined as a helper and representative in case the main developers were not available. The projects are based on a Delphi 6 codebase and Pervasive SQL v8/v11 databases. I made changes to each of these projects as needed.

- Database updates/indexing for reporting
- Reporting adjustments for new/old product lines
- SOAP/communication adjustments for new features
- Support and support

2015-2016 **Cash Register Development New Chip Card Product Line, OPC/IPROLUX**

I joined the project series as a helper and representative in case the main developer was not available. The projects were executed with Delphi XE 7 and Delphi 6.

TouchPOS XE is a completely new codebase based on Delphi XE 7 with an exchangeable SQLite database (FireDAC). PhotocheckInXE is an old codebase that has been visually renewed based on Delphi 6 with a Pervasive SQL v8 database base. Parts of the projects that I took over include:

- Thread development of the booking processing TouchPOSXE
- Exception handler development on both codebases
- EventLogger development because the old Eventlogger on Windows8+ sent a flush command with every write operation (performance issues)
- Existing SOAP communication extension and error handling
- Isolated quality of life changes and customization for customers

2013-2014 **Cloud storage solution based on OwnCloud, INGENIEURBÜRO DR. PLESNIK**

The project was implemented in C++ using Qt 4.8 (open source). Additionally, some code of the website/CMS had to be adapted in PHP.

The project role was leading (in programming), occasionally with 2 supporting employees.

The open-source code was branched from GitHub and compiled for Linux, Windows, and Mac. Adjustments include:

- Adjusting the appearance
- Displaying information in the client that was originally only displayed on the web interface
- The client was given the ability to share files
- The website was expanded with an API to better communicate with the client.