



Andreas Kowol



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Location: : Opole / Poland

I have been a PLC programmer for five years in an automation company. For four years, I am doing my PhD where by using Python, I am creating an application for radio data transmission using algorithms of digital data processing and SDR devices.

EDUCATION

Engineer - Electrical Engineering
Opole University of Technology
Year of graduation: 2016

Engineer - renewable energy technologies
Opole University of Technology
Year of graduation: 2018

Master's degree - electrical engineering
Opole University of Technology
Year of graduation: 2017

PhD student - electrical engineering
Opole University of Technology
Planned graduation date: 2024

WORK

September 2017 - April 2022

Application Engineer:

- PLC programming in C based ST language
- Implementation of projects from first contact with the customer, through concept development, application building, documentation and final launch
- Building prototypes and testing new solutions
- Providing PLC programming training to company customers
- Technical support related to PLC and network devices
- Technical support related to programming and commissioning

May 2022 - Currently

.NET / T-SQL Developer

- Development and maintenance of current ERP software based on .NET technology and C# language,
- Development of stored procedures in SQL,
- Working in a team of developers based on version control environment - GIT

September 2018 - Currently

PhD student:

- Developing an RF data modulation algorithm for physical data encryption based on SDR programming using Python language
- Teaching students to program microcontrollers in C/C++ language

SKILLS

- Very good knowledge of Structural Text language - based on C
- Good knowledge of C#
- Good knowledge of .NET technology
- Good knowledge of SQL / T-SQL
- Good knowledge of Python
- Knowledge of Agile / Scrum
- Knowledge of version control technologies (GIT)
- Basic knowledge of Java
- Basic knowledge of HTML, CSS, PHP, Django, Bootstrap
- Knowledge of English language: B2 / C1 (B2 certificate)
- Good knowledge of creating network device configurations
- Knowledge of communication protocols based on TCP/IP
- Knowledge of protocols based on serial communication RS232 / RS485
- Proficient PLC programming
- Reading and creating technical documentation
- Logical thinking and making quick and accurate decisions
- Finding alternative solutions
- Communication skills and ability to work in a team