Krzysztof Imbiorkiewicz

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Skilled Automation and IT Specialist with expertise in industrial automation, IoT integration, and software development. Proficient in designing automation solutions, integrating SCADA/MES with ERP systems (e.g., Microsoft Dynamics 365), and developing middleware for real-time data pipelines. Experienced in programming PLCs, database management (SQL, Historian), and embedded systems (Raspberry Pi). Passionate about blending industrial technology with innovative IT solutions to drive efficiency and scalability.

Skills

- Programming: Python, C#, SQL, Bash.
- Linux: Log analysis, service management, troubleshooting.
- PLC Programming: Allen-Bradley, Siemens.
- Database Management: Data validation, backup, and recovery.
- System Integration: PLC/SCADA with ERP/WMS (Microsoft Dynamics 365).
- Industrial Protocols: OPC UA, Modbus, Profinet.
- Task Management: Jira (issue tracking and delegation).
- Network Maintenance: Switch configuration, device replacement, addressing.
- SCADA/HMI Development: Visualization and system monitoring.
- Configuration Management: Application settings and user permissions.
- Monitoring and Reporting: System performance and log export.
- Client Communication: Coordination during testing and issue resolution.

Work History

Software Developer

APISystems Sp. Z. O. O., Gdansk, Poland (Hybrid)

| March 2024 - Current

Responsibilities

- Developing applications to support automation of industrial processes and creating middleware for integrating IoT, PLCs, and ERP systems (Microsoft Dynamics 365).
- Implementing SCADA/HMI visualizations and real-time data analysis tools.
- Designing and optimizing data pipelines, integrating with databases (SQL Server, Historian), and creating reporting tools.
- Developing API interfaces, working with industrial communication protocols, and integrating with MES/ERP systems.
- Testing and deploying solutions in industrial environments and providing technical support for end users.
- Development of a custom IoT data collection platform inspired by, enabling real-time data acquisition and storage in company-hosted databases.

Technologies and Tools

- Programming: C#, C/C++, Python.
- Systems: ERP (Microsoft Dynamics 365), SCADA/HMI (FactoryTalk View, Aveva Wonderware).
- Technologies: SQL Server, Historian, Reporting Services.
- Additional: Experience with IoT integration and developing cloud-based solutions (Azure).

Automation Engineer / Safety Site Manager

KNAPP , Gdansk, Poland (Hybrid)
| October 2022 - March 2024

Responsibilities

- Participated in the **intelligent warehouse system** project (Gemini Polska) through all phases: design, commissioning, client testing, go-live, and post-go-live support.

- Held the role of **Safety Site Manager**, contributing to the company's successful ISO certification.

- Coordinated pre-go-live testing: communicated with the client, analyzed reported issues, prioritized tasks, and delegated them using Jira.

- Diagnosed IT and industrial systems, including application log analysis (Linux), troubleshooting API communication errors, replacing network devices, addressing configurations, and starting up switches.

- Performed database operations (SQL): verified data accuracy, corrected erroneous records, and executed database backups and restores.

- Monitored systems and industrial protocols (OPC UA, Modbus, Profinet) and supported the integration of PLC/SCADA with ERP/WMS systems.

- Edited scripts and small code segments (Python, Bash) and managed application configurations and user permissions.

Technologies and Tools

- **Programming and diagnostics:** Python, Bash, SQL, PLC, Linux (logs, services).

- **Systems and protocols:** ERP/WMS, SCADA, OPC UA,

- **Tools:** Jira, Apache, Nginx, network devices.

Webmaster

Web4pro, Gdansk, Poland
| January 2022 - October 2022

Responsibilites

- Formatting websites using CSS and JavaScript to enhance visual presentation and functionality.

- Optimizing websites for SEO, including code structure adjustments, improving loading speed, and implementing technical SEO principles.

- Migrating client websites, such as transitioning from WordPress to a custom CMS, ensuring data integrity and functionality.

- Verifying and improving website compliance with modern web standards and mobile responsiveness.

- Collaborating with developers and designers to tailor websites to client requirements.

IT Technician

LACROIX Electronics, Kwidzyn, Poland
| June 2018 - September 2018

Responsibilities

- Repairing and maintaining computer hardware, including diagnostics and component replacements.

- Configuring and maintaining office network infrastructure, ensuring stable and secure connectivity.

- Developing a project for displaying promotional materials using Raspberry Pi, which included: Writing custom software and integrating with a database.
Setting up remote access and ensuring system security.
Automating operations with custom scripts for seamless functionality.

Education

Bachelor of Engineering in Electrical Engineering (Computer Control Systems)

Maritime University of Gdynia, Gdynia
October 2024

Autonomous Maze-Solving Robot
Designed and implemented an autonomous robot capable of navigating and solving mazes using advanced algorithms. The project was recognized for its innovation and selected to represent the school at promotional events and trade fairs.

Technician Title in Information Technology
ZS1 , Kwidzyn

May 2020

Certified in IT systems, with qualifications in:

- **E.12**: Installation and operation of PC hardware and peripheral devices.

- **E.13**: Administration of local area networks (LAN) and basic network troubleshooting.

- **E.14**: Designing and managing databases, as well as web application development.

Hobbies

My biggest hobby is taking on personal challenges and pushing my limits. For the past two years, I've been honing my kickboxing skills, and now I'm diving into the world of Brazilian Jiu-Jitsu (BJJ). I love the process of learning something new, testing myself, and seeing how far I can go – whether it's in the gym, on the mat, or in life.

Languages

English

German

Polish