VLADISLAV KIBAKOV

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Temirtau, Kazakhstan

Automation & Controls Engineer with 7 years' experience in the maintenance of industrial automation systems and developing/implementing new ones as commercial projects, including international work for leading European company. In-depth knowledge of PLC / HMI / SCADA (DCS) programming. Able to work with automation devices from many manufacturers. Looking to fill a position of a plant Automation & Controls Engineer, but ready to consider other options. Open to relocation on a global level.

Experience

Senior Programming Engineer
Kazcentrnaladka / TechnoAutomatica LLP
Oct 2017 – Aug 2022,
Sep 2023 – Present, Kazakhstan

- Ensure troubleproof operation of automation equipment of enrichment plant of the largest copper producer in Kazakhstan — Kazakhmys Corporation LLC. The production rate of the plant was processing 3,500,000 tons of copper ore per year. Continuous production
- Manage 37 PLCs, 13 HMIs, 2 SCADA servers, 3000 D(I/O) / A(I/O) signals as the only PLC Programmer on the plant. This includes troubleshooting, editing code or writing projects from scratch
- Implemented 4 commercial projects worth from 4000$ up to 75000$ in mining and manufacturing industries. Also made on my initiative modernizations projects free of costs by using existing or unused equipment to increase trouble-free uptime or production rate of the plant. For details visit my website vladislav-kibakov.github.io
- Automate new technological equipment and integrated it into the existing automation system. Such as new pumps, compressors, conveyors

Engineering Consultant
PIXIDA GmbH
Aug 2022 – Aug 2023, Germany

- Part of PLC development team for Zeiss SMT facility (Oberkochen). The facility produces Extreme Ultraviolet Lithography Optics for the unique in the whole world process of manufacturing microchips with EUV technology by the ASML company
- Finished intensive 8-week onboarding training with developing and presenting own fully functional project
- Responsible for PLC/HMI software development and support in HRTP project for 3 robot cells modules. Robots move mounts with EUV Lithography Optics between 25 stations. The process considers precision and risk of high-cost material damage
- Software development through a strictly controlled procedure. In 10 months 40 software releases of different scale from bugfixes to new features implementation that increased production performance or improved human safety
- Work in a clean room environment

Junior Automation Engineer
KAZCENTRELECTROPROVOD LLP
Aug 2016 – Oct 2017, Kazakhstan

- Ensured troubleproof operation of automation equipment of the cable production factory. This includes sensors, regulators, VFDs, PLCs, HMIs, SCADAs. The scale of the factory is 20 cable production lines, 26 "Twisting in a pair" machines, and additional units, such as press and rewinding machines
- Edited the program code of PLC / HMI / SCADA
- Implemented measurement and display of the length of the produced cable and linear speed on 2 old cable production lines

Skills

Non-technical skills:
- Teamwork and communication skills
- Ability to work independently
- Self-study, ability to learn new technologies
- Self-motivation and a desire to improve the workflow

Technical skills:
- PLC / HMI / SCADA (DCS) programming — Mitsubishi, Siemens, Delta
- Industrial Networks — Profibus, CC link IE, Modbus RTU/TCP, OPC DA/UA
- VFDs — Mitsubishi, Yaskawa, Delta
- Projects — research, design, installation, programming, commissioning
- SCRUM methodology — Azure DevOps
- Python / Databases — completed courses

Education

Master of Engineering and Technology in Automation and Control
Karaganda State Technical University, 2016–2018

Educational program — Robotics & Control systems
GPA — 3.72/4.0
The diploma is accredited by World Education Services

Bachelor of Engineering and Technology in Electric Power Engineering
Karaganda State Technical University, 2012–2016

Educational program — Electric drive and automation of mining technological complexes
GPA — 3.72/4.0
The diploma is accredited by World Education Services

Languages
English: IELTS 7.5/9 (CEFR — C1)
Russian: Native

Interests
Training, Soccer, Pro-Wrestling, Video Games, Books