General information

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Education

Lipetsk State Technical University, Faculty of Automation and Computer Science, Chair of Electric Drive (year of graduation 2011).
Specialty: engineer specializing in "Electric drive and automatics of industrial plants and technological complexes".

Previous employment

Feb 2023 – to present, ASK GmbH (www.ask-gmbh.com), automation engineer, Wolfenbüttel, Germany;
Oct 2019 – Oct 2022, OOO FEST (www.fest-group.de) – branch office of FEST Group, head of automation and drive technology department, Lipetsk, Russian Federation;
Jul 2019 – Oct 2019, TRIOTT (www.ottevanger.com) – branch office of TRIOTT Group, programmer of automation systems, Lipetsk, Russian Federation;
Jun 2014 – Jul 2019, OOO FEST (www.fest-group.de) – branch office of FEST Group, head of automation and drive technology department, Lipetsk, Russian Federation;
Sep 2011 – Jun 2014, LLC Promelectronica (www.promel48.ru), engineer of automation department, Lipetsk, Russian Federation;
Mar 2008 – Jan 2011, Lipetsk State Technical University (www.stu.lipetsk.ru), laboratory assistant, Lipetsk, Russian Federation.

Languages

Russian (native), English (Intermediate, speaking/writing)

Professional skills

I am skilled in development and commission of industrial process automation control systems and drives (metallurgy, mining, chemical production, feed mills, automotive).

I gained experience with the following software products:

- PLC programming (all IEC 61131-3 standard languages): Step5 for Windows, STEP7 v5, PCS7, TIA Portal, Unity Pro, GE Proficy Machine Edition, Rockwell Automation Studio 5000, STEP7 Micro/WIN, Zelio Soft, Twido Suite, TwinCAT3, CODESYS v3;
- SCADA: WinCC v7 and v8 (+ANSI-C, VBScript, MS SQL), TIA WinCC Professional, Vijeo Citect v7, FactoryTalk View Studio, Wonderware Intouch (+System Platform);
- HMI: TIA WinCC Basic/Comfort, WinCC Flexible, Vijeo Designer, GE Quick Panel;
- CAD: Autodesk AutoCAD and Fusion360, Ascon KOMPAS, FreeCAD, MS Visio, SketchUp;

- Data Monitoring: ibaPDA, ibaAnalyzer, ibaReportgenerator;
- Drives: Siemens STARTER, SCOUT, Schneider Electric SoMove Lite;
- MS Visual Studio (C#, .NET Framework, SQL) – development of the helpful small utilities.

I gained experience with the following hardware:

- PLCs (S7-200, S7-300(+T+F), S7-400(+F), S7-1200(+F), S7-1500(+F), SIMOTION D425, TSX Premium, M340, GE PAC RX3i+NIU, GE VersaMax, Rockwell Automation GuardLogix 5580, CompactLogix 5370, PLC-100 (Owen), Mitsubishi Electric FX series, Twido, Zelio Logic);
- Drives (SE Altivar 7x; Altivar 6x, SINAMICS G120/S120/DCM, Micromaster 4xx, Mitsubishi Electric, Unidrive, SIMOREG 6RA24, Vesper E2-mini, 7x & 8x series, ABB ACS800 and others);
- Soft starters (Sirius 3RW40/3RW44/3RW52, Altistart 22 & 48);
- Intelligent Motor Protection Devices (SIMOCODE PRO C/PRO V);
- Network configuration between controllers and peripheral equipment via ProfiBus, ModBus (RTU, ASCII & TCP), Ethernet/IP, ProfiNet, EGD and others;
- Many types of sensors and actuators, including RFID, QR code readers, AI-cameras.

Projects

I took a part in development and commission of the following projects:

- Gas analysis system in the plant of water supply of the blast furnace 6, NLMK, Lipetsk (as a PLC programmer, 2011);
- AS (*automation system*) of the transfer cart for hot slabs transportation from the zone of continuous cutting to the slabs storage area, Converter Plant 2, NLMK, Lipetsk (0-level, I/O checking, 2011);
- AS of the aspiration air cleaning system, Converter Plant 2, NLMK, Lipetsk (as a PLC programmer, 2012);
- AS of the crude benzene rectification plant, Chemical Products Collection Plant, NLMK, Lipetsk (as a SCADA programmer, 2012);
- Automatic monitoring system for the rotary kiln 5, Refractory Production Plant, NLMK, Lipetsk (as a PLC, HMI, SCADA programmer, 2013);
- AS of the water intake, SEZ, Lipetsk (as a SCADA programmer, 2014);
- AS of the loading rack, Chemical Products Collection Plant, NLMK, Lipetsk (as a PLC, HMI, SCADA programmer, 0 level, 2014);
- AS of the tundish drying unit, Converter Plant 2, NLMK, Lipetsk (as a designer and constructor, 2014);
- AS of the crushing line, EurochemGroup, Kovdor (0 level, 9 PLC, HMI, SCADA programmer, 2014);
- AS of the sugar factory, Agrosnabsakhar, Elets (0 level, 2016);
- AS of the tandem mill of bar-rolling line, ArcelorMittal, Gijon, Spain (as a PLC programmer, 2016);
- AS of the double crank shears, Bar-rolling shop 2, OEMK, Stariy Oskol (as a PLC programmer, 2017);
- Building Management System (BMS), Stentex, Skolkovo (as a SCADA, PLC programmer, 2017);
- AS of the MAHLE A6 Bonding Mill, Kilmarnock, Scotland (as a PLC programmer, SCADA, Drives, 2017);
- Parameter status monitoring of the pump station 8A, Water supply plant, NLMK, Lipetsk (as a PLC, SCADA programmer, 2018);
- AS of the hot shear 800T control system based on SINAMICS DCM, OEMK, Stariy Oskol (as a drive specialist, DCC Chart programmer, 2019);
- AS of the feedmil, SIFAB, Setif, Algeria (as a PLC, SCADA programmer, 2019);

– Tandem Hot Rolling Mill 2 – Technological Control System, Nucor Yamato Steel, Blytheville, AR USA (as a PLC, SCADA programmer, 2020);
– AS of the continuous annealing line 9 (+10), DSP, NLMK, Lipetsk (as a PLC programmer, 2021);
– AS of the MAHLE A7 Hot Treatment Line, Kilmarnock, Scotland (as a PLC programmer, SCADA, Drives, 2021);
– AS of the continuous normalizing line, DSP, NLMK, Lipetsk (as a PLC programmer, 2022);
– Digital receipts, Press shop Hall 1a, VW WOB, Wolfsburg (as a PLC/HMI programmer, 2023);
– Wipers test bench, Hall 71, VW FE WOB, Wolfsburg (as a PLC/HMI programmer, 2023).
– Modernization of hydraulic power pack, Hall 71, VW FE WOB, Wolfsburg (as a PLC/HMI programmer, 2023).
– Vehicle access control system for the protected area, VW FE WOB, Wolfsburg (as a PLC programmer, 2023).
– Upgrading HMI and databases for rolling line, Hoesch Schwerter Profile GmbH, Schwerte (as SCADA programmer, 2023-2024).
– Process data monitoring system, Auerhammer Metallwerk GmbH, Aue-Bad Schlema (PLC, ibaPDA, level 2, 2023-2024).
– Coating System, VTT Verschleissteiltechnik GmbH, Hannover (PLC, HMI, Stepper Drives, interface KUKA robot, 2024).
– Oil product mixing and refueling system, UTG Unabhaengige Tanklogistik GmbH, Kiel (as PLC Programmer, 2024).
From time to time, I participated in other projects, which are not shown in the list.

Additional courses and certificates

2012 – Monoblock PLCs (FX-series) and HMI-tools of Mitsubishi Electric (certified);
2012 – Frequency Converters of Mitsubishi Electric;
Both courses were given in OOO Elektrotehnicheskie Sistemi (Moscow), officinal distributor of Mitsubishi Electric company.
2013 – Programming and maintenance of PLCs Modicon TSX Premium in Unity Pro development environment (certified);
2013 – Supervisory control system (SCADA) Vijeo Citect / Industrial Networks (certified);
Both courses were given in learning center of Schneider Electric Company (Moscow).
2015 – Motion control systems based on SIMOTION in SCOUT environment (FEST AG, Goslar, Germany);
2021 – ST-PCS7SYS - Standard system course PCS7 (certified) + theoretical test “Siemens SIMATIC PCS 7 Basic Engineer” (certified), Siemens (Moscow);
2022 – C# basic course (certified), Sololearn (self-education platform);
2022 – SQL basic course (certified), Sololearn (self-education platform).