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### Education

2000 - 2006 **Petrozavodsk State University**  
*Department of Solid State Physics*  
-Engineer. Solid-state electronic and microelectronic

### Advanced training

2008 **Schneider Electric training center**  
*Modicon TSX Quantum PLC in Unity Pro.*  
2015 **GE training center**  
*Proficy Machine Edition. Programming GE IP PLC.*



2017 **Schneider Electric training center**  
*Unity Pro development environment - Advanced course*  
2017 **Schneider Electric training center**  
*Modbus-based communications for Modicon BMX M340 controllers*  
2017 **Schneider Electric training center**  
*Ethernet-based communications for Modicon BMX M340 controllers*



2017 **Klinkmann training center**  
*Wonderware Application Server 2014 R2*

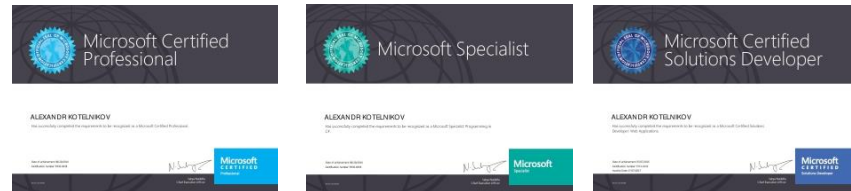


## Certification

2014 **Prometric**  
*Microsoft Certified Professional*

2014 **Prometric**  
*Microsoft Specialist: Programming in C#*

2015 **Pearson VUE**  
*Microsoft Certified Solutions Developer: Web Applications*



2016 **Pearson VUE**  
*Microsoft Certified Solutions Associate: Web Applications*

2016 **Pearson VUE**  
*Microsoft Certified Solutions Developer: App Builder*



## Work experience

Apr 2018 – Present **FORDTECH SOLUTIONS LIMITED**  
*C# Programmer*

- Development of software for automating SEO activity for webmasters and SEO-specialists



Nov 2016 – Present **PJSC "NORNICKEL", "Kola GMK"**  
*Software engineer*

- Maintenance of automated control systems.



Sep 2016 – Dec 2017 **EcoDomus, Inc**  
*C# Programmer*

- Take part in the development of software for lifecycle building information models (BIM).



Nov 2012 – Sep 2016 **Freelance**  
*Software engineer*

- PLC/HMI programming.
- Commissioning works.
- Development of applications for Windows.

- Development of web applications using Microsoft technologies.

*Projects:*

- **mDeal.ru.** Technologies: ASP.NET MVC, WEB API, JQuery, Bootstrap, KnockoutJS.
- **Development of a waste recycling system “Thermoblock”.** Technologies: Modicon Quantum Hot Standby, Vijeo Citect.
- **Mossmart.ru.** Technologies: ASP.NET MVC, Web API, JQuery, Bootstrap, KnockoutJS.
- **Maxberries.ru.** Technologies: ASP.NET MVC, Web API, JQuery, Bootstrap, KnockoutJS.
- **Other small utilities and projects.** Technologies: ASP.NET MVC, Web API, JQuery, Bootstrap, KnockoutJS.

Feb 2014 – Nov 2016 **JSC “Roitech”**



*Software engineer*

- PLC/HMI programming.
- Commissioning works.
- Development of applications for Windows.
- Development of web applications using Microsoft technologies.
- Service maintenance.

*Projects:*

- **Development and implementation of the support system “Service Desk”** (JSC “Sever Minerals”, Olenegorsk). Technologies: ASP.NET Web Forms, WCF.
- **Supervisory control of the production process** (PJSC “Severstal”, Olenegorsk). Technologies: Modicon M340 PLC, Vijeo Citect SCADA, ASP.NET MVC, WEB API, Windows Services.
- **Ore beneficiation process automation** (PJSC “Severstal”, Olenegorsk). Technologies: Modicon M340 PLC, Vijeo Citect SCADA, Vijeo Designer HMI, WCF, ASP.NET MVC.
- **Modernization of the ACS of the pulp pump station** (PJSC “Severstal”, Olenegorsk). Technologies: Schneider Electric Advantys STB, Vijeo Citect.
- **Modernization of the weight control system** (PJSC “Severstal”, Olenegorsk). Technologies: Vijeo Citect.
- **Implementation of access control system** (PJSC “Severstal”, Olenegorsk).
- **Modernization of the control system for loading balls into the mill** (PJSC “Severstal”, Olenegorsk). Technologies: Vijeo Citect.

Nov 2012 – Feb 2014 **JSC “Sever Minerals”**



*Software engineer*

- PLC/HMI programming.
- Commissioning works.
- Development of applications for Windows.
- Development of web applications using Microsoft technologies.
- Service maintenance.

*Projects:*

- **Automation of the medium and fine crushing stage** (PJSC “Severstal”, Olenegorsk). Technologies: Modicon M340 PLC, Vijeo Citect SCADA.
- **Automation of the Metso C140 crushing system** (PJSC “NORNICKEL”, Zapolarny). Technologies: Modicon M340 PLC, Vijeo Citect SCADA, Windows Services.

May 2011 – Nov 2012 **PJSC “NORNICKEL”, “Kola GMK”**

*Software engineer*

- Maintenance of automated control systems.



Feb 2008 – May 2011 **JSC “SZMA”**

*Software engineer*

- PLC/HMI programming.
- Commissioning works.
- Development of applications for Windows.
- Service maintenance.



*Projects:*

- **Automation of the second stage of the cobalt cleaning process** (PJSC “NORNICKEL”, Monchegorsk). Technologies: ISP DAS PLC, Trace Mode SCADA, Windows Services.
- **Automation of the fuel combustion process for the hot water boiler** (PJSC “NORNICKEL”, Monchegorsk). Technologies: ISP DAS PLC, Trace Mode SCADA.
- **Automation of the carbonyl nickel production with the creation of a single control panel** (PJSC “NORNICKEL”, Monchegorsk). Technologies: Modicon Premium PLC, Vijeo Designer.
- **Automation of the process of zinc extraction from isolation solutions by the extractive method** (PJSC “NORNICKEL”, Monchegorsk). Technologies: ICP DAS PLC, Trace Mode SCADA.
- **Automation of the catholyte re-filtration process** (PJSC “NORNICKEL”, Monchegorsk). Technologies: Modicon Premium PLC, Vijeo Designer.
- **Automation of ferrous cake repulping stage** (PJSC “NORNICKEL”, Monchegorsk). Technologies: Modicon Premium PLC, Vijeo Designer.
- **Automation of the replenishment of the nickel deficiency** (PJSC “NORNICKEL”, Monchegorsk). Technologies: Modicon Quantum PLC with Host Standby, Wonderware InTouch HMI, Windows Services.
- **Automation of the compressor compartment** (PJSC “PhosAgro”, Apatity). Technologies: Modicon M340 PLC.
- **Automation of the vacuum pump compartment** (PJSC “EuroChem”, Kovdor). Technologies: GE RX3i PLC, Proficy Machine Edition.

**Main skills**

*Industrial Automation Systems: IEC 61131-3 languages (LD, SFC, FBD, ST,IL), Unity Pro, Vijeo Designer, Vijeo Citect, Wonderware InTouch HMI, Wonderware Application Server, GE Proficy Machine Edition, Trace Mode, Modicon M340, Modicon Premium, Modicon Quantum, ICP DAS*

*Programming and web technologies C, C#, ASP.NET MVC, WEB API, WCF, WCF Data Services, Web Sockets, SignalR, Entity Framework , Visual Studio, MySQL, Microsoft SQL Server, HTML, CSS, Microsoft Azure technologies.*

**Additional Info**

*Languages: Russian (native), English (low intermediate)*