

Joseph Kopnicky

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SOFTWARE ENGINEER

Seeking a career shift into Software Engineering. Dedicated developer with comprehensive manufacturing systems experience. Experience developing applications for the following systems: Desktop (Inventory System, Simulators), Web (www.PLC2GO.Com, <https://jkopn.github.io/>), Mobile (School Application for WGU), Embedded Systems (Multiple Sump Pump Controller), and Industrial Systems (PLCs, HMIs).

INFORMATION TECHNOLOGY COMPETENCIES

Systems: Dos, Windows PC, Linux, Mac OSX Server and iOS, Android
Databases: MS SQL, MySQL, Relational Databases
Languages: Java, VB.NET, C++, C, SQL, HTML5, CSS3, JavaScript, XML, Python, R
IDEs: Eclipse, Net Beans, MS Visual Studio, Android SDK, Notepad++
Software: MS Word / Excel / PowerPoint / Outlook / Project, Tableau, Minitab

CERTIFICATIONS

- CIW – Web Site Design Specialist
- CIW – HTML 5 and CSS 3 Specialist
- CompTIA – A+ Certification
- ERC – Supervisor Certification

EDUCATION

Master of Science in Data Analytics

Expected Graduation: 2020

Western Governors University, Salt Lake City, UT

- Studies focus in Data Analytics, Python, R Code, SQL, SAS, Statistics, Data Visualization
- Courses included Programming in Python, Statistics for Data Analysis, SQL for Data Analysis, Data Mining

Bachelor of Science in Software Development

Graduated: November, 2018

Western Governors University, Salt Lake City, UT

- Studies focused in Software Development, IT Foundations, Network Infrastructure Design and Security
- Courses included IT Project Management, Data Management, IT applications, Cloud Foundations, Web Based Software Development, Java, HTML, CSS, JavaScript, XML, JSON, C++, Visual Basic, Android Development, SQL, MySQL, User Experience / User Interface design and development, Software Engineering Methodologies

Associate of Science in Industrial Electronics

Graduated: April, 2017

Penn Foster, Scottsdale, AZ

- Studies focused in Industrial Electronics, Instrumentation, Mathematics, Physics
- Courses included Programmable Logic Controllers, Instrumentation, Motors and Drives, Electricity, Electronics

Associate of Applied Science in Software Development

Graduated: November, 2015

Cleveland Institute of Electronics, Cleveland, OH

- Studies focused in IT Foundations, Network Infrastructure Design and Security
- Courses included HTML, CSS, JavaScript, Java, SQL, C++, VB.net

PROFESSIONAL EXPERIENCE

Automation and Electrical Manager

October 2018 - present

Elyria Foundry – Elyria, Ohio

Manage and develop the Automation and Electrical Department which has (1) Supervisor and (8) Technicians. Managing and developing upgrades to existing dated automation and IT Network systems to bring them up to current technology standards. Developing a Plant HMI and Data Acquisition System with Ignition Software utilizing Python, Java, and SQL.

Transferable skills:

- Management of Automation and Electrical Department and Capital Expenditure Projects
- Daily Supervision of Employees and Contractors
- Programming with Java, Python, and SQL
- Allen Bradley PLC Programming
- Human Machine Interface / User Interface Design and Development
- Evaluate and analyze systems and metrics in order to provide recommendations for improvements
- Coordinate the design, implementation, operation, and maintenance of Plant Systems

Control Systems Engineer II

March 2010 – October 2018

Charter Steel – Cuyahoga Heights, Ohio

Provide 24 hours - 7 days a week Engineering and Technical Support for the Melt Shop with (2) AC Electric Arc Furnaces, Vacuum Oxygen Degasser, and 4 Strand Continuous Caster, Alloy system, Bag House, Steam Generator, Water Treatment Plant, substation, networks and associated equipment - Siemens PLCs and Wonderware HMI

Transferable skills:

- On-Call 24/7 Remote Work through VPN for troubleshooting processes and equipment 24/7
- Programming and development of Inventory and Communication software utilizing C++ and VB.net
- Team and Team Leader Training – Led several successful cross department teams
- Data Analysis for Process and Equipment issues and improvements (SPC)
- Mentored less experienced engineers, interns and technicians
- Successfully completed Corporate Green Belt Training
- Project Management of multiple simultaneous Capital Expenditure Projects
- Interdepartmental Collaboration and Team Work