# Randall Gray

Greater Milwaukee Area, WI 262-239-8360

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# SOFTWARE AND DEVOPS/RELEASE ENGINEER

Experienced senior software and firmware engineer with a demonstrated history of working in the industrial automation industry. Focus on the production and release of quality product in an Agile development environment. Emphasis on configuration management, continuous integration, reproducibility, and documentation. Committed to teamwork, accountability, communication, and continuous improvement. Brings logical thinking and attention to detail to meet objectives for internal and external customers.

**Technical Skills**

**Languages/Frameworks**: C++, C#, CScript, JScript, Python, XML, Microsoft .NET

Framework, Windows, Linux

**Development Tools/Methodologies**: Microsoft Visual Studio, Microsoft Platform Builder, InstallShield,

ClearCase, Git, Klocwork, Jenkins, Code Collaborator, Jira, SAP

# EXPERIENCE

**Rockwell Automation,** Milwaukee, WI **October 1994 – October 2019**

Provider of industrial automation and information technology. Brands include Allen-Bradley and Rockwell Software.

## Senior DevOps/Release Engineer, September 2007 – October 2019

Worked on several teams of developers within an Agile environment to produce firmware (embedded software) for the PanelView and ViewE Visualization products. Focused on the timely production, archive, and release of quality product to the Rockwell Customer website and to manufacturing.

* Led configuration management, continuous integration, and release duties for all PanelView and ViewE Visualization products.
* Liaised to several Rockwell campuses for configuration management support and direction.
* Moderated and performed reviews of all source code and documentation to ensure quality and coding standards to eliminate anomalies.
* Developed scripts to automate and enhance product builds increasing the speed, security, and documentation of the process.
* Modified build processes to move code management from ClearCase to Git to improve speed and security.
* Implemented Klocwork code analysis of ViewE source code decreasing memory usage anomalies.
* Developed archival storage and process for PanelView Customer web releases in SAP.
* Released firmware to manufacturing following Rockwell ECR/ECO workflows in SAP.

Randall Gray 262-239-8360 Page Two

**Senior Software Engineer**, October 1994 – September 2007

Worked on several teams of developers to produce the desktop programming software, PanelBuilder, for the PanelView Visualization product. Focused on translation of software programming objects to machine language for use over several automation communication protocols.

* Developed the backend of the PanelBuilder program compiler that translated programming objects to machine language for use over several automation communication protocols (Profibus, Modbus, DeviceNet, ControlNet, EtherNet) to several Allen-Bradley controllers (PLC, Automation Controllers).
* Programmed the RIO communications handler to complete the communication protocol support of the Rockwell RSLinx general network communications product.
* Performed the configuration management and release duties for the PanelBuilder product including the production of several language translations.
* Produced the Firmware Upgrade Wizard and packages used to download and install firmware to PanelView terminals.

**ADDITIONAL RELEVANT EXPERIENCE**

GraySoft, Inc., Milwaukee, WI

## Software Engineer

# EDUCATION

**Master of Science (MS), Computer Science**

University of Wisconsin, Madison, WI

**Bachelor of Science (BS), Physics**

**Bachelor Science(BS), Mathematics**

University of Wisconsin, Madison, WI

# PROFESSIONAL DEVELOPMENT

Agile Development (Scrum Teams) | SAP