

**Ronald J. Slocum Jr.**

Grand Rapids, MI  
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<http://www.wetcatdesign.com>

**SUMMARY OF QUALIFICATIONS**

- Ten years of experience in software development and control system engineering.
- Design, develop, and implement various business, material flow, and control software.
- Work with customers to define system requirements and develop functional specifications.

**EDUCATION**

**B.S. Computer Engineering**, May 2003 GPA: 3.2/4.0  
Michigan State University, East Lansing, MI

**M.S. Computer Information Systems**, (Estimated Graduation May 2015) GPA: 4.0/4.0  
Grand Valley State University, Grand Rapids, MI

**COMPUTER SKILLS**

**Software:** MS Visual Studio 2008/10/12, Team Foundation Server, Borland C++ Builder, Subversion, RSLogix, RSNetworkx, PanelBuilder, RSView, AutoCAD, viad@tWMS (Warehouse Management System), Eclipse.

**Programming:** C/C++/C#, .NET 3.5/4, Java, SQL, Oracle, Ladder Logic, Structured Text, Visual Basic, HTML, FANUC 6-Axis Robots, Android SDK.

**RELEVANT EXPERIENCE**

**Senior Software Engineer**, Spring Lake, MI, November 2010 – Present  
**TGW Systems, Inc.**  
As a Senior Software Engineer, I am part of a global development team, comprised of 14 developers, focused on creating a Warehouse Control System solution to be deployed for all customer projects. Functionality includes: Inventory Management, Device Interfaces, Advanced Routing Control, Reporting, Diagnostics, etc. In addition to designing and developing a core component for the WCS, I am also the US technical lead.

- C# .NET 4.0, WCF, WPF, SOA, Dependency Injection
- Agile Programming via SCRUM (Product Owner role)
- In 2 months' time, I developed a custom WCS for TGW's booth at North America's largest material handling expo: Promat. Including conveyor control, inventory management, User Interface for configuration and operation, pick to light, storage retrieval machine control, and simulation logic to continuously display the mechanical equipment's features.

**Senior Software Engineer / Control Systems Engineer**, Grand Rapids, MI, May 2003 – November 2010  
**Viastore Systems, Inc.**  
As a *Senior Software Engineer*, I am responsible for researching customer requirements, proposing and presenting potential solutions with estimated investment figures, developing and implementing agreed upon solutions, documenting, training, and providing technical support.  
As a *Control System Engineer*, I am responsible for research, designing, prototyping, documenting, testing, construction, installation, and troubleshooting for electro-mechanical systems and the operator interfaces to them.  
I am also responsible for ensuring projects are completed within timeline and budgetary constraints independently without close or extensive supervision.

- Collect data during installations and incorporate it into lessons learned for future projects to save cost, improve timing or system performance, and to reduce overall project risk.
- Development of standard drawing techniques for electrical drawings and documentation.

	<ul style="list-style-type: none"> <li>• Development of standard programming techniques, libraries and documentation.</li> <li>• Improve efficiencies of robotic and PLC based applications to improve reliability, longevity and increased throughput.</li> <li>• Work with contractors throughout the research, development, and acquisition process to ensure customer needs are met; purchase required components, develop/build necessary subsystems (based on in-house manufacturing limitations). Determine which components should be outsourced to meet the systems contractual requirements.</li> <li>• Work with electrical and mechanical contractors during installations to minimize risk to schedule, timing and performance due to unanticipated system integration issues.</li> <li>• Responsible for contacting and communicating with current and new vendors to develop working relationships which result in cost reductions.</li> </ul>			
<b>RELEVANT SOFTWARE ENGINEERING PROJECTS</b>				
	<p><i>Designed and Developed Material Flow System service component of TGW Warehouse Control System.</i></p> <p><i>Black Jack Trainer – Android Mobile Application: <a href="http://bit.ly/NXngcl">http://bit.ly/NXngcl</a></i></p> <p><i>Developed business software for viastoreUS (TPMS): Purchase Orders, Inventory Management, Support Cases, Time Tracking, Travel Expenses, Project Management, Sales Orders. Integration with Quickbooks and SAP.</i></p> <p><i>Developed Warehouse Control System (Flow) that was deployed in several locations: High speed sortation and scanner routing software. Developed from the ground up to be a lean and robust solution. Integration with Manhattan.</i></p> <p><i>Developed custom WMS for wholesale perennial grower (LiveProduct): Inventory and Order Processing workstations, RF, Print/Apply. Integration with Great Plains and UPS ConnectShip. System was developed from the ground up due to the unique nature of their business.</i></p> <p><i>Developed Torque Lockdown and Inspection software for automotive supplier (TLD): Control application for the assembly line for the front seats of the Dodge Durango. Integrated with AS/400 via DataQueues.</i></p>			
<b>AWARDS AND ACTIVITIES</b>				
	<p>ISTQB Certified Tester, Foundation Level</p> <p>Grand Rapids Young Professionals (<a href="http://www.gryp.org">http://www.gryp.org</a>) – Public Relations Committee: Website Management (Joomla, MySQL), 2010 – 2011.</p> <p>EIT/FE (Passed Fundamentals of Engineering Exam).</p> <p>Student Engineer of the Year Award, Michigan Society of Professional Engineers, 2003.</p> <p>President, National Society of Professional Engineers Student Chapter, 2002 - 2003.</p> <p>Secretary/Webmaster, Student Engineering Council, 2002 - 2003.</p> <p>Graduate, LeaderShape Institute, August 2002.</p> <p>Other: Snowboarding, Certified SCUBA Diver, Concrete Countertops, various home DIY projects – see <a href="http://www.wetcatdesign.com/">http://www.wetcatdesign.com/</a></p>			
<b>RERFERENCES</b>				
	<table style="width: 100%; border: none;"> <tr> <td style="width: 33%; border: none;">John Dubois iSET Group</td> <td style="width: 33%; border: none;">Steven Seither Lockheed Martin</td> <td style="width: 33%; border: none;">Ben Outwater viastore systems, Inc.</td> </tr> </table>	John Dubois iSET Group	Steven Seither Lockheed Martin	Ben Outwater viastore systems, Inc.
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