

KYLE RASSWEILER

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Portfolio: www.kylerrassweiler.ca | Github: www.github.com/rassweiler

Summary

Robotics technician with experience in embedded software, MES, SCADA, android, PC, web, and game development. Most of my development knowledge is self taught, as such I'm looking for a role that can provide some guidance and best practices.

Skills

Languages	Assembly, C, C++, C#, HTML, Java, JavaScript, Lua, PHP, Python, Ruby, XML
Methodologies	ECS, Kanban, OOP, Root Cause Analysis
Middle-ware	Apache2, Django, Lighttpd, Mongoose, Node, Meteor
O/S	Fedora, FreeBSD, Mac, OpenSUSE, Ubuntu, Windows, Windows Server
Databases	MongoDB, MSSQL, MySQL, Postgresql, SQLite
Networking	Bluetooth, HTTP/S, TCP/IP, UDP
Tools	CSC, Git, Mercurial, Sublime Text, Visual Studio
Logic Controllers	AB, Mitsubishi, Omron, Toyopuc

Projects

Node-SCADA-System	Designed a simple SCADA/MES program to communicate with Mitsubishi PLCs over ethernet, using the MEAN stack and MCTProtocol to both capture and display cell data. Currently working on a central server option with multiple connections, and adding Toyopuc support. https://github.com/rassweiler/Node-SCADA-System
KR-Display	Is a responsive Meteor web application for displaying production data from an SQL database. Currently used in production at a Toyota subsidiary. http://www.kylerrassweiler.ca/work/kr-display/
Rover Manager	The manager is written in Python 3, and is a visual management utility for robotic swarms or workers. Uses the PyQt5 frame work to display an Open Street Map with location information acquired via radio hardware. http://www.kylerrassweiler.ca/work/rover-manager/

Experience

Robotic Technician (Weld) <i>April 2014—Present</i> FIO Automotive	Maintain condition of plant and utility equipment using mechanical, electrical, computer knowledge. Create and modify controller and robot logic as required. Implemented a SCADA system I had created.
Operational Technician <i>December 2012—April 2014</i> Abbott Point Of Care	Maintain operation of plant lines by repairing malfunctioning equipment, performing preventative maintenance, and inspecting products. Instrumentation and Controls Apprenticeship.
Associate Technician <i>July 2012—December 2012</i> Abbott Point Of Care	Maintain operation of plant lines by repairing malfunctioning equipment, performing preventative maintenance, and inspecting products.

Education

Electro-Mechanical Engineering Technician Diploma	Algonquin College, Ottawa, ON.	<i>September 2010 – April 2012</i>
Computer Animation Advanced Diploma	Algonquin College, Ottawa, ON.	<i>September 2007 – April 2010</i>