Aaron M. Rowan
Programmer Analyst
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PORTFOLIO: https://arowan-portfolio.azurewebsites.net/

AREAS OF EXPERTISE

Languages:	Application Software:	Platforms:
- HTML5	- Visual Studio	- Windows
- CSS3 + Bootstrap	- Visual Studio Code	- SQL Server, Oracle
- JavaScript	- SQL Server Mgmt. Studio	- MVC5
- C#	- Azure Machine Learning Studio	- Windows
- AngularJS	- Microsoft Office	- SQL Server, Oracle
- Python	- Minitab	- SOAP / WCF
- TSQL, PLSQL	- SAS JMP	- Web API
- Google FireBase	- IPython / Jupyter	- Azure
- C	- GitHub	- GoDaddy
		- Arduino

Summary of Qualifications: C# ASP.Net Full Stack Developer. More than 1000 hours of coding experience since Fall 2015. Extensive backend development experience with strong query writing, stored procedures and database design experience. Experienced in multiple application design patterns, ranging from console applications and batch processes, MVC based web development to rich client graphic user interfaces. Proficient with numerous design methodologies including code first and data first domain modeling, n- tier application design/development, SPA and thin client/mobile application design/development, responsive web design.

Professional Experience:

Freelance Consulting	Charlotte, NC	August 2016 - Present

Web Developer

- o 630Marketing.com – Reworking Structured Data Demonstration Website (see Portfolio) using JavaScript, HTML5 and Schema.org standards.
- o BusDat.com – Search Engine Optimization using HTML5 and ASP.net MVC and Google Structured Data (2015)
- o RusticJustice.com – Collaborating Partner Developing Advanced Music Sharing App using AngularJS, HTML5, JavaScript, CSS3 and Google FireBase.
- o Personal Training - Coder Foundry Intensive Coding Bootcamp (Graduation September 2016)
    - o 800 hours of immersive coding. The full Microsoft stack. SQL, C# and Front End Tech – HTML5, CSS3, JavaScript.
    - o Created several MVC applications – Azure hosting, Code First database development, Schema design, LINQ Data Access, AJAX and WebAPI, 3rd Party Service Implementation – Mail Client, Text Editor, 3rd Party Authorization, Responsive Chart Creation.

Mecklenburg County Government	Charlotte, NC	February 2015 – July 2016

Senior Process Consultant

Focus on Quality and Throughput of Key Services

Accomplishments

- o Used customer queue data to design new combined facility as part of 'Bringing Mecklenburg County to You' initiative.
- o Identified and created a comprehensive court document tracking e-form to organize the work of over 70 caseworkers.

Novelis Inc.	Oswego, NY	October 2013 – October 2014

Quality Engineer

Owner of Roll Shop Quality System and Plant Quality Capital Projects

Accomplishments

- o Developed a testing and calibration process to ensure accurate roughness testing results.
- o Managed a $750,000 program of 9 simultaneous projects to prepare for upcoming product launch.

| Novelis Inc. | Oswego, NY | June 2011 – October 2013 |

Plant Energy Leader

Managed Procurement and Use of Electricity and Natural Gas Supply of Greater than $30 Million Annually

Accomplishments

- o Developed an energy dashboard to provide daily energy usage and SPC trending.
- o Facilitated $1 million project to replace over 8,500 high-bay lighting fixtures.
- o Sponsored a team to identify, organize, prioritize and execute energy reduction projects.
- o Utilized a Monte Carlo Analysis to identify critical risk involving our natural gas supply.

| Novelis Inc. | Oswego, NY | April 2006 – June 2011 |

Certified Lean-Six Sigma Black Belt

Identified, organized and facilitated more than 40 projects

Accomplishments

- o Environmental Focus – Projects reduced CO_2 equivalent of 250,000 cars annually.
- o Lead high-risk project to transport 8 million pounds of molten aluminum via truck from a key supplier.

| Novelis Inc. | Oswego, NY | May 2003 – October 2006 |

Process Metallurgist – Aluminum Casting

Managed scrap blending, process analysis, and equipment calibration

Accomplishments

- o Facilitated a team to develop a process that reduced inventory of our #1 product by 10%.

Education

Masters of Business Administration - *State University of New York at Oswego*   July 2013

- o Focus on Project Management, Accounting and Management of Financial Institutions

Bachelors of Science Materials Engineering – *Rensselaer Polytechnic Institute*   May 2003

- o Undergraduate Research: Nano-particle ZnO electrical surge suppression characteristics
- o Language: German – Fluent (Studied 1 year at the ETH Zurich, Einstein's Alma Mater)

CERTIFICATIONS & PROFESSIONAL DEVELOPMENT

- o PMI – PMP Certification #1882405
- o ASQ - CQE Certification #62457
- o ISO 9001: TS16949 Certified Auditor
- o Professional Training: 7 Habits of Highly Effective People (Franklin-Covey), Dale Carnegie

COMMUNITY INVOLVEMENT

- o Trustee at St. Joseph's Church Oswego
- o Founding executive board member of 'Cans for The Community'
- o Lead mentor engineer for FIRST Robotics Oswego County