

John McErlain
Grassroots Web Development
<http://johnmcerlain.com>
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Financial Quant *Innovative problem solver with entrepreneurial work ethic enthusiastic about developing financial strategies and helping others achieve financial success.*

Technical Skills	<div> <div>Programming</div> <div>Cloud</div> <div>Libs</div> </div>
	<div> <ul style="list-style-type: none"> JavaScript full stack HTML, CSS Node.js, python PLC ladder </div> <div> <ul style="list-style-type: none"> Linux Ubuntu Windows MongoDB Git </div> <div> <ul style="list-style-type: none"> JQuery Express Bootstrap Responsive design </div>
<u>Experience:</u> May 2015 – present	Web Developer, Grassroots Web Development, Fairport, NY., http://johnmcerlain.com Developing real time trading applications.
August 2013- May 2015	Full time student, Empire State College, Rochester, NY. Completed a BS degree in Information Technology, 3.79 GPA. Relevant coursework listed below.
October 2010- August 2013	Programmer, self. My career shift to object oriented programming began by writing simple routines to automate trading for my personal stock index futures trading account. This endeavor compelled me to return to college in 2013 to gain formal training in programming/software development.
June 2008- October 2010	Internet Marketer, Internet Marketing International, LLC, Fairport, NY., This was a group of individual entrepreneurs (including myself) creating our own websites monetized with Google ad-sense. I created, published and maintained over 50 static websites soliciting content from writers on Freelancer.
February 2007 – June 2008	Real Estate Sales Associate, The Rich Group, Pittsford, NY. During a brief 14 month career diversion, I obtained my sales associate license followed by my broker's license. Though I did not find this career choice rewarding, I became familiar with basic HTML skills and created my first (realtor) website.
June 1992 - December 2006	President/Owner, John McErlain Electric Inc., Fairport, NY. My company performed commercial and/or industrial jobs including public works projects, many of which were "out of the ground" buildings including retail, convenience, grocery and drug stores; fire department buildings, schools, colleges, machine shops, and one waste water treatment facility. I became proficient in project management solely performing each stage including: <ul style="list-style-type: none"> • Project initiation including review of bid solicitations, preparing and submitting bids; estimating jobs using proprietary MS Excel spreadsheets; entering into contract negotiations and providing clarifications prior to award; established and maintained credit lines, each with my personal guarantee at wholesale suppliers

- Project planning including composing purchase orders for general commodity and specialty materials packages; attending meetings and coordinating with the architect, engineer and other contractors.
 - Contract execution including: hiring skilled labor, project scheduling, maintaining ongoing material deliveries, coordination with project foreman (which often was myself), coordination with sub-contractors, negotiating change orders, providing team leadership, and performing all electrical work as per contract; ongoing verbal and written communications with architect , engineer and project managers from other trades.
 - Project control including attending all project meetings, hiring and firing of personnel, maintaining project schedule, monitoring specialty package purchases, providing progress documentation and submitting payment applications; overseeing/performing all office operations including accounting, payroll, network and software.
 - Project close-out including troubleshooting, performing "punch lists", composing operation manuals, and providing documentation for final payment.
- The demands of the work combined with an inadequate "open shop" labor pool and my need for greater technological challenges caused me to rethink my career goals.

*June 1987 –
May 1992*

Industrial Electrician, Gor-Mac Electric Inc., Rochester, NY.

Worked on over 40 buildings/projects at the Eastman Kodak Company and at the George Eastman House during the 1989 renovation. I became proficient wiring light fixtures, power outlets, motors, compressors, equipment, access controls and alarm systems. This is where I developed a keen interest in control systems which ultimately led to my current study of software systems.

Gor-Mac's relocation to Albuquerque, NM left me at a crossroads which ultimately led to my decision to incorporate my own electrical contracting company.

Education

SUNY Empire State College (2015) BS Information Technology 3.79 GPA

Coursework

Software Engineering (SMT-274144)
Human Computer Interaction (SMT-273484)
Operating Systems (CIS-0755595)
Data Communications & Networks (SMT-273304)
DATABASE MANAGEMENT SYSTEMS (MIS-0064294-04A)
Visual BASIC: Computer Prog (SMT-272964)
Web Systems Development (SMT-273254)
MANAGEMENT INFORMATION SYSTEMS (MIS-0064294-12F)
Data Structures and Algorithms (SMT-274304)
ADVANCED MICROCOMPUTER APPLICA (MIS-0064294-01F)
Intro to Object Program-JAVA (SMT-272984)
Discrete Mathematics (SMT-273104)

*Certifications/
License*

Full stack JavaScript (2015): Treehouse
Python (2015): Treehouse
MongoDB for Node.js Developers (November 2015): MongoDB University
Master Electrician's License, City of Rochester, NY (15 years retired 2009)
OSHA 10 hour safety training

