

David Hallahan, P.Eng

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Experience

Owner + Engineer

Blue City Systems

www.bluecitysystems.com

Present ∞ Windsor, Ontario

Blue City Systems is a consulting engineering firm providing software and design services for the architectural industry.

Project Manager + Estimator

Erie Architectural Products

www.erieap.com

2011 - 2012 ∞ Lakeshore, Ontario

Erie Architectural Products designs and manufactures curtain wall and other envelope systems for custom, world class projects. Responsibilities included:

- ∞ Managing projects through design approval, material procurement and fabrication including coordination with customers and suppliers
- ∞ Bid proposal preparation including takeoffs for material, logistics and labour costs
- ∞ Application design for curtain wall and related systems including air seal, loading and deflection
- ∞ Drawing and specification review for architectural approval and fabrication

Engineering Manager

Riverside Group

www.riversidegroup.net

2004 - 2011 ∞ Windsor, Ontario

Riverside Group designs and manufactures metal panel envelope systems. Responsibilities included:

- ∞ Management of large scale architectural manufacturing projects for the construction industry including detailing and design, on-site supervision, scheduling and cost estimation
- ∞ Engineering department management to ensure design quality while meeting production scheduling
- ∞ Architectural envelope design including wall, roof and glass assemblies
- ∞ Inventory, work-flow and project management database design and programming

- ∞ Wrote the RFP specification for the production work-flow automation system

Controls Engineer **JMP Engineering Inc**

www.jmpeng.com

2002 - 2004 ∞ Windsor, Ontario

1999 - 2001 ∞ London, Ontario

JMP Engineering designs and engineers controls automation and data collection systems for large industrial manufacturers. Responsibilities included:

- ∞ Design overall approach and methodology for automation control systems
- ∞ Management of electrical controls projects covering design and on-site installation - includes directing engineering personnel and unionized trades
- ∞ PLC programming including touch screen interfaces
- ∞ Electrical design including electrical panels and field devices
- ∞ Estimation and budget management of projects including labour and material

Education

Bachelor of Engineering Science
Mechanical Engineering
University of Western Ontario
1994 - 1999 ∞ London, Ontario

Continuing Education
St. Clair College
Revit Architectural Software, Welding

Self Taught
Ruby on Rails web development framework

Skills

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|-----------------------------|--|
| Architectural Design | Curtain wall ∞ Metal panels ∞ Air and weather seal ∞ Silicone joint adhesion / cohesion ∞ Thermal ∞ Structural |
| Project Management | Estimating ∞ Purchasing ∞ Cost & Time Management |
| Communication | Clear, concise writing ∞ Articulate speech |
| Supervision | Junior Engineers ∞ Unionized Electrical & Mechanical Trades |
| Software | Schucal ∞ Logikal ∞ Solidworks ∞ AutoCad ∞ MS Office ∞ MS Project |
| Programming | Visual Basic ∞ MS Access & Other Databases ∞ MS Excel ∞ Web |

Architectural Engineering Experience

Additional architectural engineering experience not listed above:

- ∞ Interpret wind load studies performed for high-rise projects
- ∞ Work with Dow Chemical to design custom joints that meet their requirements for bead size, curing time and environment, surface preparation and assembly.
- ∞ Design aluminum extrusion dies to create custom parts for specialized assembly conditions
- ∞ Perform load testing on custom adhesive assemblies to ensure performance
- ∞ LEED research and compliance for adhesives, material sourcing, recycling, etc.