

GEORGE MILSON

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409 Acumen Court, Mississauga, ON, L5W 0E2

PROFESSIONAL SUMMARY

- Experienced Project Coordinator with a strong background in construction project planning, equipment logistics, and compliance coordination.
 - Skilled in scheduling, procurement, site coordination, and quality control to ensure efficient and timely project execution.
 - Adept at working with cross-functional teams, managing subcontractors, and ensuring regulatory compliance in construction projects.
 - Passionate about efficient project execution, safety, and sustainable infrastructure solutions.
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SKILLS

- **Design Tools** - AutoCAD, Revit, Civil 3D, Sketchup, 3ds Max
 - **Project Management** –Asana, Microsoft Project, Bluebeam, Efficient planning and execution.
 - **Construction Supervision** –Bluebeam Revu, Site management, and quality control.
 - **Communication** – Effective collaboration with teams.
 - **Safety Compliance** – WHMIS, Worker Health and Safety Awareness
 - **Problem-Solving** – Quick decision-making on-site.
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EDUCATION

Master of Engineering [M. Eng] Civil Engineering | January 2025

University of Windsor

Bachelor of Technology Civil Engineering | August 2022

APJ Abdul Kalam Technological University

WORK EXPERIENCE

SITE FOREMAN | CMI SOLAR | MISSISSAUGA, ONTARIO, CANADA

APRIL 2025 – APRIL 2025

- Supervise solar installation teams and construction sites (on-site)
- Review specifications and drawings with installation teams
- Ensure timelines and quality standards are met
- Monitor project progress and communicate deadlines
- Manage project expenses and support budgets
- Coordinate material deliveries and inspect tools and equipment

- Communicate professionally with customers to address concerns
 - Enforce health and safety protocols and conduct safety audits
 - Conduct safety orientation for installation teams
 - Report site nonconformities and conduct incident investigations
 - Assist with Job Hazard Analysis (JHA) as required
 - Maintain health and safety equipment on site
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PROJECT COORDINATOR | HOMETECH BUILDERS | KOCHI, INDIA

AUGUST 2022 - AUGUST 2023

- Managed projects from initial planning to key handover, overseeing all phases from piling, concrete works, and structural execution to interiors and final delivery.
 - Coordinated client meetings, ensuring clear communication, alignment of project expectations, and timely resolution of concerns.
 - Assisted in building permit documentation, preparing and submitting necessary paperwork for regulatory approvals.
 - Obtained Engineer's Certification from the Government of Kerala, enabling authorization for signing building permit documents.
 - Led on-site and remote coordination, handling late-night calls and early morning meetings to maintain project momentum and address urgent issues.
 - Assisted in project scheduling and execution using Asana for streamlined task management and milestone tracking.
 - Implemented rigorous quality control procedures, conducting inspections to ensure compliance with industry standards and client expectations.
 - Enforced health and safety regulations through regular site inspections, ensuring a secure working environment.
 - Facilitated communication among architects, engineers, contractors, and clients, mitigating risks and ensuring smooth project execution.
 - Oversaw procurement and resource allocation, optimizing materials, labour, and equipment to enhance efficiency and reduce waste.
 - Reviewed and modified construction drawings using AutoCAD and Bluebeam Revu to ensure accuracy and feasibility.
 - Prepared and delivered progress reports to senior management and stakeholders, providing insights on budgets, timelines, and potential challenges.
 - Maintained comprehensive project documentation, including daily logs, inspection reports, and material tracking, ensuring compliance and future reference.
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ENGINEERING INTERNSHIPS

Torc Infotech – Building Forensics

JULY 2019 - AUGUST 2019

- Conducted structural assessments of existing buildings to identify material degradation and foundation stability.
- Assisted in preparing reports and recommendations for building restoration and safety improvements.

Madeckal Constructions – Structural Design and Drawings

SEPTEMBER 2020

- Created and reviewed structural designs for residential and commercial projects using AutoCAD.
- Assisted in preparing detailed construction drawings and ensuring compliance with local building codes.

JayArc Constructions – BIM

JUNE 2021 - JULY 2021

- Developed Building Information Modelling (BIM) models for ongoing projects to improve collaboration and planning.
- Coordinated with architects and engineers to integrate design changes into BIM models, enhancing project efficiency.

Hometech Builders - FIELD COORDINATOR

JULY 2021 - JULY 2022

- Assisted in site coordination and project execution, supporting supervisors in managing day-to-day construction activities from piling to interiors.
 - Created detailed construction drawings using AutoCAD and supported design visualization in 3ds Max, aiding in client presentations and material selection.
 - Assisted in building permit documentation, ensuring compliance with local regulations and obtaining necessary approvals.
 - Conducted site visits, performed measurements, and assisted in quantity estimations, supporting procurement planning and material tracking.
 - Provided on-site assistance during concrete pouring and testing procedures, ensuring adherence to project specifications and quality standards.
 - Collaborated with engineers and field teams to review and modify construction plans using AutoCAD and Bluebeam Revu, ensuring accuracy and feasibility.
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CERTIFICATIONS

- Golden Key International Honour Society [**University of Windsor**]
 - Engineer A [**Department of Urban Affairs, Government of Kerala**]
 - Ethics in Engineering Practices [**NPTEL**]
 - Construction project management [**Columbia University**]
 - 3D CAD Fundamental [**National Taiwan University**]
 - Mastering bitumen for better roads and innovative applications [**Columbia University**]
 - WHMIS Training YMCA
 - Ladder safety training YMCA
 - AODA Customer Safety Standards Training YMCA
 - G License
 - AutoCAD Civil 3D 2025 Essential Training
 - Bluebeam Revu 21 Essential Training
 - Procore Construction Management Professional Certificate
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PROJECTS & RESEARCH EXPERIENCE

Fans Flood Awareness Navigation System [FANS]

-University of Windsor

- Developed an intelligent flood awareness and navigation system to enhance disaster preparedness.
- Integrated real-time flood data analytics with GIS-based mapping for accurate risk assessment.
- Designed an interactive and user-friendly dashboard to provide emergency alerts and safe route guidance.
- Implemented sensor-based monitoring to predict and mitigate flood-related disruptions.
- Contributed to improved public safety measures by enabling proactive disaster response strategies.

Algae-Incorporated Concrete: Enhancing Strength & Workability

-APJ Abdul Kalam Technological University

- Investigated the use of algae-based bio-additives to improve concrete durability and performance.
 - Conducted experimental analysis to evaluate the effects of algae biomaterials on workability and compressive strength.
 - Designed and tested lab-scale concrete mixtures incorporating algae for enhanced sustainability.
 - Proposed an eco-friendly alternative to conventional additives, contributing to greener construction materials.
 - Achieved measurable improvements in concrete strength while promoting sustainable building practices.
 - Research findings were published in the **International Research Journal for Engineering and Technology**.
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COMMUNITY INVOLVEMENT

- Volunteer, Rotary Club of Windsor
- Volunteer, University Community Church [Windsor]