Michael E.R. Lalonde

Artificial Intelligence & Systems Engineer | Embedded, Secure Infrastructure & Full-Stack

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GitHub: github.com/Mike-Lalonde | Portfolio: mike-lalonde.github.io/Professional-Development

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PROFESSIONAL SUMMARY

Canadian Armed Forces veteran with 20 years of operational service and structured leadership experience. Combines secure infrastructure awareness, embedded systems depth, and advanced computing foundations to deliver reliable, integrated technical solutions. Brings disciplined execution, systems-level reasoning, and entrepreneurial leadership maturity.

TECHNICAL CORE

Machine Learning Foundations, Neural Networks, Algorithm Design, Data Engineering Concepts
Embedded Firmware Development & Real-Time Systems
Secure Network Configuration, ACL Implementation, SSH Hardening
Full-Stack Application Architecture, REST APIs, Database Modeling

PROFESSIONAL EXPERIENCE

Business Owner & Instructor — YR Mind InSite / Halifax Hypnosis (2004–2025)
Founded and operated a professional training organization for two decades. Designed structured curricula, managed independent operations, and delivered leadership, communication, and applied problem-solving programs.

Canadian Armed Forces (Navy) — 1986–2006
Served 20 years in high-consequence operational and training environments requiring precision, accountability, and real-time decision-making. Roles included Tactician, Shipborne Aircraft Controller (Grade A), and Submarine Simulator Coordinator.

EDUCATION

Graduate Certificate – IT Programming for Artificial Intelligence (2026) – NSCC Institute of Technology
Graduate Certificate – IT Embedded Systems (IoT) (2023) – NSCC Institute of Technology
Diploma – IT Web Programming & Development (2020–2022) – NSCC Institute of Technology

CLEARANCE

Previously held Government of Canada Secret Clearance; mission-based Top Secret access when required (status lapsed).