



Building Bloc Systems Inc. is creating scalable, containerized digital microfactories to produce a wide range of healthcare consumables, medical devices, and replacement parts. We'll solve supply chain gaps through sovereign, distributed manufacturing and help customers (healthcare, humanitarian/disaster response, defence health, industry) make what they want, when they want it, at the point of need.

Your Mission: Build and ship a secure, customer-operable, containerised microfactory product for on-demand manufacturing in constrained environments. You will own both product direction and technical execution.

Engagement: Fractional-to-start with a clear path to full-time (compensation and ESOP aligned to scope and stage). This is a hands-on, on-site role at our Burnaby, B.C. warehouse.

What you'll own:

- Product scope and roadmap sequencing
- Requirements, prioritisation, packaging (hardware, software, servicing), and product readiness criteria
- Architect and deliver system manufacturing workflow orchestration, equipment/device integration, and fleet-ready foundations
- Integration of manufacturing equipment, container systems and software into a cohesive, reliable product that can scale into repeatable, automated, containerized systems
- System reliability: acceptance testing, operational guardrails, failure recovery, and uptime strategy
- Definition and implementation of a pragmatic security baseline
- Ensure the platform meets the expectations of defence/government and critical operations environments
- Enable a governed digital product catalogue; help define catalogue scope
- The roadmap for near-future product enhancements while keeping near-term releases focused
- Product governance frameworks to ensure safe, reliable deployment
- Identification and mitigation of technical risk across HW/SW/security/regulatory and field operations
- Support alignment of IP, commercialization, and technology transfer with Building Bloc's growth strategy
- Build and lead a high-performing engineering team; mentor talent, establish discipline, delivery cadence, and crisp decision-making across technical workstreams, define hiring roadmaps

Preference given to applicants with experience including:

- Strong manufacturing systems integrator who can simplify, sequence, and execute complex workflows
- Distributed manufacturing / digital supply chains
- Shipped edge/IoT or field-deployed systems with real reliability constraints
- Demonstrated depth in additive manufacturing (process engineering, materials, post-processing realities, repeatability/validation thinking) and robotics
- Credible security instincts and experience implementing secure-by-design practices
- Navigating regulatory and quality ecosystems
- Leadership in early-stage environments (hands-on, decisive, high ownership)
- IP strategy
- Resourceful, self-aware and fearless: you ask the right questions, see gaps and build teams that deliver

Selected candidates will be briefed on detailed requirements and performance targets under NDA and must be eligible to obtain a Government of Canada security clearance.

Share your CV and covering note with Fatima Ahmed, fatima.ahmed@building-bloc.com, convince us you are the one, and let's get started.