

BLAIR MUNRO

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WHY I AM HERE:

I am looking for work and want to assist you with your mission. From my last role in crypto cybersecurity, I know how to launch a production-grade audited utility token from a technical, architectural, business, and legal standpoint. From my roles in telecommunications, I am adept working in high-pressure production environments, where engineering satellite transport systems and troubleshooting critical outages was often a matter of life-safety for Alaskans relying on emergency services served over our networks. I am an electrical engineer by degree, RF and software engineer by experience, rust and python dev by practice. I ran a small Alaskan business with successful exit and have extensive prior experience working hard physical labor landscaping to pay for school. I am an autodidact and artist. My professional style's value stems from my commitment to continually improving my attitude, work ethic, and competence. Currently my attention and knowledge-acquisition efforts settle on systems engineering, hybrid blockchain/DAG decentralized ledgers, smart contract cellular automata, quantum computing, quantum algorithm engineering, and RAG AI implementations.

EDUCATION, WORK, PERSONAL EXPERIENCE:

INTERLOCK NETWORK	<ul style="list-style-type: none">. Blockchain engineer.. Performed senior engineering duties.. Architected and designed production grade cryptocurrency token and security staking scheme.. Responsible for advising PM, PE, CMO, CEO for all blockchain affairs, including recommended actions.. Ported the token and staking scheme twice to languages new to me after last-minute business pivots.. Invented abstraction/formalism to allow smart contracts to connect to one another as if computers.. Coordinated public facing security audit of ink! smart contracts with Kudelski Security.. Frequently contributed to other aspects of software product unrelated to blockchain responsibilities.. Interfaced with large partner CEOs, open source projects, and advisors to coordinate collaboration.. Made contributions to high-level business strategy, marketing, and overall product design.
AT&T	<ul style="list-style-type: none">. Traveling satellite technician.. Personally resolved over 70 priority outages in remote Alaskan villages, coordinating all operational aspects.. Commissioned 10+ EDGE upgrade transport systems for C Band earth stations in rural villages.. Lead technician on redundant Ka Band upgrade project, commissioning 15+ Ka Band earth stations.
GCI	<ul style="list-style-type: none">. RF Microwave and Satellite Engineer.. Completed TCP/IP, iDirect, and Cambridge Radio training, emphasizing networking and Linux systems.. Installed and commissioned iDirect satellite bandwidth pool-sharing system in hub earth station.. Active iDirect troubleshooter for 20+ priority outages/turn ups.. Created transponder plan for organization-wide circuit migration to new Intelsat H3 satellite.. Provisioned, installed, commissioned SatNMS network management server for monitoring satellite links.
UAA	<ul style="list-style-type: none">. <i>Bachelor of Science</i> in ELECTRICAL ENGINEERING, <i>Minors</i> in MATHEMATICS & PHYSICS. Dean's list 5 consecutive semesters for 4.0 academic performance.. Self-taught Quantum Physics, General Relativity, Plasma Physics, Mathematical Physics.. Twice awarded ALASKA SPACE GRANT one to build DC glow discharge plasma northern lights simulator.. Led team to construct medium-high vacuum chamber to house the northern lights simulator.. Worked on various projects (diagnostic tool design, magnet design, etc) for plasma physics laboratory.
AUC	<ul style="list-style-type: none">. Business Finance, International Relations, and Arabic at The American University in Cairo, Egypt.
MISC	<ul style="list-style-type: none">. Landscaping foreman and operator, server, ATV tour guiding to pay for school.. Created RAG LLM chat companion as natural language interface for piece computer invention project.. Created fractal micropayment web3 app for the Solana blockchain.. Created, owned, operated, sold successful small Alaskan snow plowing business, Snowshark, LLC.

HARD SKILLS, TECHNOLOGIES, TOOLS

I acquire and master skills on an as-needed basis. I am happy to demonstrate my ability to do so. Rust and Python are my favorite languages. Some tools I have used in recent past are:

RUST, PYTHON, TYPESCRIPT, INK!, OPENBRUSH, SOLIDITY, OPENZEPPELIN, LINUX/ NIX, SQL, REST/GraphQL, FLASK, CHROMADB, LANGCHAIN, VUE, OPENAI, ASSEMBLY, C, MATLAB, LATEX, TCP/IP STACK, GUNICORN, DIGITAL OCEAN, CLOUDFLARE, HUGO, SOLANA, WORMHOLE, ALEPH ZERO, SUBSTRATE.

BLAIR MUNRO

REFERENCES

RICK DEACON	Interlock Network <i>CEO, Founder</i>	(440) 822- 8799 rick@interlock.network
ANDREW CIACCIA	Interlock Network <i>CMO, Founder</i>	(646) 660 - 0423 andrew@interlock.network
NICK ZIVKOVIC	Interlock Network <i>Principle Engineer, Founder</i>	(516) 725 - 4197 epicrevolution@galacticbeyond.com
DAN TENNERY-SPALDING	Interlock Network <i>Product Manager</i>	(510) 326 - 5011 teachrdan@gmail.com
DJ ROTACH	AT&T <i>Region Manager</i>	(907) 885 - 8182 dr2840@att.com
TIM SORENSON	AT&T <i>In-Charge, Mentor</i>	(907) 830 - 0016 tim.alaska@gmail.com
HIMANSHU PANDEY	GCI <i>Director</i>	(907) 538 - 9331 hemanshodes@gmail.com
BRANDON O'BRIANT	GCI <i>Coworker, Mentor</i>	(907) 390 - 0379 obrianbl@protonmail.com
CEDAR CUSSINS	49th State Motor Tours <i>Owner, Mentor</i>	(907) 748 - 5202 cedarcussins@gmail.com
JENS MUNK, PhD	UAA, Dept. of Engineering <i>Chair, Mentor, Professor</i>	(907) 229 - 3779 jmunk2@alaska.edu

Additional references available upon request.

TIMELINE

2021 - 2024 | Junior + Senior Blockchain Engineer at [INTERLOCK NETWORK](#)
2019 - 2021 | Traveling Satellite Transport Technician at [AT&T ALASCOM](#)
2018 - 2019 | Engineer I, RF Microwave and Satellite at [GCI](#)
2014 - 2018 | Electrical Engineering, Biology, Accounting at [THE UNIVERSITY OF ALASKA, ANCHORAGE](#)
2015 - 2016 | [Plasma Physics Research Assistant](#) at UAA PLASMA PHYSICS LABORATORY
2011 - 2012 | Owner & Operator of [SNOW SHARK PLOWING SERVICES, LLC](#)
2009 - 2011 | International Relations and Business Finance at THE AMERICAN UNIVERSITY IN CAIRO
2008 - 2009 | International Relations at MONTANA STATE UNIVERSITY

ACTIVE PROFESSIONAL DEVELOPMENT & CERTIFICATION

[INCOSE ASEP](#) . DECENTRALIZED TRACK-AND-TRACE CYBERPHYSICAL SECURITY FRAMEWORK WITH CSU . SELF-STUDY IN SYSTEMS ENGINEERING, VARIATIONAL MECHANICS, QUANTUM COMPUTING

PERSONAL PROJECT WORK

TIME MACHINE FOR PEACE SOCIAL INVENTION PROGRAM . GENERAL PIECE COMPUTER (INVENTION) . THE UNIVERSAL PIECE COMPUTER (COMPUTATIONAL GLOBAL PEACE SYSTEM CONSTRUCTION) . WORLD PIECE COMPUTERS (PROTOTYPING) . QUALITATIVE DIFFERENCE PHYSICS (OBJECTIVE PHYSICS SUBJECTIVE ANALOG) . THE HARD PROBLEM OF CONSCIOUSNESS (TIMESPACE MATTER MINDMACHINE FORMALISM) . PEACE SYSTEMS ENGINEERING . CONCEPTUAL PEACE ART . MUSIC COMPOSITION . IDENTITY ARCHITECTURE, ENGINEERING, DESIGN