Blair Munro

EMAIL | blairmunroakusa@wp.computer
PHONE | 907-297-9901

NOTE: All content and examples provided below were created with little-to-no guidance / direction.

Senior Blockchain/Smartcontract Engineering: *Detailed Profile*

- **Senior blockchain engineering duties and achievements at Interlock Network:**
  - Coordinated multichain integration with manV3 browser extension and AI backend threat detection service.
  - Coordinated public facing security audit of ink! smart contracts with Kudelski Security.
  - Conducted interviews and screening to hire support for blockchain, backend, and frontend work after org restructure.
  - Performed code review and proposed refactors to frontend product. Threatslayer MVP here.
  - Performed internal audit of backend AI threat detection services, flagging performance issues to relevant leadership.
  - Architected and designed production grade cryptocurrency token and 'Security Staking' scheme.
  - Architected 'Security Staking' workflows, phase 2 of blockchain MVP roadmap: Mermaid diagrams here.
  - 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.
  - Responsible for advising PM, PE, CMO, CEO for all blockchain affairs, including recommended actions.
  - Currently launching Interlock Network $ILOCK token on Arbitrum and Aleph Zero blockchains.
  - Began effort to bridge token and staking contracts via Wormhole between Ethereum and Solana.
- **Solidity smartcontract engineering accomplishments:**
  - Implemented EIP712 for stake/airdrop claiming: Sample here, thru to line 570.
  - Implemented vesting schedule for $ILOCK token contract: Sample here, thru to line 1100.
- **Rust smartcontract engineering accomplishments:**
  - Implemented ink! (Substrate) vesting schedule for $ILOCK token: Sample here, thru to line 1890.
  - Implemented ink! (Substrate) e2e test event decoding: Sample here, thru to line 104.
  - Implemented ink! (Substrate) multisig (similar to Gnosis Safe) for $ILOCK token: Sample here, thru to line 1440.
  - Created ink! (Substrate) 'port/socket' formalism for treating smartcontracts like applications: Docs here.
    - Template application code sample here.
    - Sample application (UANFT) code here, thru to line 1173, and lines 1214 thru 1270.
    - Sample $ILOCK application interface code here, thru to line 2528.
  - Created ink! (Substrate) Universal Access NFT credential management scheme, non-ZK credential storage on blockchain.
  - Created Python (Substrate) blockchain interface for backend applications: Sample here.
  - Created Solana template for nontrivial advanced programs (smartcontracts): Repo here.
  - Created Solana dApp 'Fracpay': Repo here.
  - Created Solana 'Security Staking' MVP contracts for Interlock Network:
    - Sample program instruction here.
    - Sample program state here.
    - Sample program utilities here.
- **Misc software engineering accomplishments:**
  - Created AI LLM RAG chat assistant (Python, Javascript, Langchain, ChromaDB, OpenAI):
    - Deployed instance here.
    - Backend code sample here (Note, poorly commented—this was created quickly with limited personal free time.)
    - Prompt engineering templates here.
  - My rust 1d cellular automata hello-world is here.