

# CHRISTOPHER STEPHEN WILSON

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## OBJECTIVE

Junior Blockchain and Full-Stack Developer transitioning from precision manufacturing into intelligent decentralized systems engineering. Bringing 15+ years of experience working with deterministic, high-reliability, safety-critical systems into smart contract development, DAO governance, and privacy-aware Web3 applications

Entry-level professional actively building and seeking a role in privacy and compliance with a focused interest in ZKP, DID, L2 scalability, and human-centered, AI-driven protocol design for ethical data stewardship; where I can apply my understanding of data protection principles to support transparent long-term organization integrity in private computation and trust-minimized coordination

## TECHNICAL SKILLS

### Languages

Solidity, Web3.js, Ethers.js, JavaScript, TypeScript, CSS, HTML, Python, G-Code, Mazatrol

### Frameworks & Tools

Hardhat, Remix IDE, React, Redux, Node.js, npm, GitHub, VScode, ElizaOS, AI-assisted development workflows, wallet-tooling

### Blockchain & Web3

Smart contract design, deployment, events, wallet integration, RPC providers, on-chain DA, DAOs, NFTs, DeFi primitives & composability

### Protocols & Ecosystems

conceptually applied via building capstone project & hackathons

Ethereum + *EVM compatibility*, Cronos x402, Mantle SDK + *EigenDA & Succinct* ; Aleo + *Provable (privacy-focused architecture)*

↳ *exploratory abstractions*: TON (*GameFi and user engagement*), Polygon + Lens (*SocialFi*)

### Layer 2 & Modular Systems

Scalability concepts, modular architecture tradeoffs, rollup-aware application design

### Engineering Practices

Deterministic systems, testing mindset, documentation, quality assurance, iterative improvement, edge-case analysis

## WEB3 AND BLOCKCHAIN EXPERIENCE

### Independent Web3 Builder and Researcher | 2024 – Present

Designing and implementing smart contracts using Hardhat with integrated React-based frontend builds, for NFT generation, DAO-style governance, role-based permissions, and configurable voting logic evaluating UI / UX tradeoffs in privacy-conscious Web3 systems

Exploring DAO design patterns – quorum models, multi-signature control, MPC recovery mechanisms, on-chain coordination and consensus, token incentive designs and user retention tools – mindful of execution, efficiency, data availability, MCP, and throughput

Investigating privacy-preserving architectures for regulatory-compatible solutions ; zero-knowledge proof concepts – decentralized identity/KYC, reputation and access signaling, selective disclosure, and anonymous yet verifiable voting / participation models

Further studying and applying DeFi primitives – liquidity pools, AMMs, lending / farming protocols, collateral strategies, arbitrage, and optimizing composable compliant yield-proof mechanisms to understand incentives and risks

Maintaining public GitHub repositories – documenting system design decisions, technical tradeoffs, and iterative learning

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## DAPPU Mentorship Capstone PROJECT DIRECTION | "ETHEREAL OFFERING" (ONGOING - see GtiHub for roadmap)

Conceptualizing and prototyping a mission-driven Web3 platform and user experience centered on ethical technology, recovery-oriented communities, and decentralized governance without surveillance

Exploring DAO-based stewardship models, identity-linked soulbound participation tokens, and privacy-respecting contribution systems utilizing Eliza agents to foster a risk-managed DEX treasury, conditional and recurring instruction sets, and user engagement

Investigating anonymous yet verifiable consent-based participation through decentralized identity and zero-knowledge concepts for real-world application and policy reform

Treating protocol system design as both a technical and human, emphasizing consent, transparency, and long-term sustainability for contribution-based reputation-aligned DAOs and community governance use cases

Applying knowledge to support sustainable, privacy-conscious community platforms and interoperable authentication flows paired with GameFi and smart automation utilizing LLMs and AI agent workflows to bridge cross-chain oracle data

## Web3 Hackathon Projects | 2025 - 2026 (IN PROGRESS)

**HackQuest | Mantle Global** – *Trajectory:* ZK Validity layer 2 scalable privacy-preserving solutions with regulatory compatibility, RWA / RealFi, tokenized assets and provable attestations

**DoraHacks | Cronos x402** – *Trajectory:* signaling and authentication primitives, automated treasury routing logic, secure settlement pipelines, agent-triggered payments and AI-driven contract interactions

Designing in alignment with the "Ethereal Offering" dApp serving as the MVP that integrates EVM smart contracts with identity, reputation, and access signaling mechanisms applying modular architecture principles to balance scalability, security, decentralization, and user experience

## ENGINEERING AND SYSTEMS BACKGROUND + Career Experience

### CNC Programmer and Machinist / Systems Engineer | 2006 - Present

Programming and operating high-precision CNC systems requiring deterministic logic, reliability, and strict tolerances for the fabrication & assembly of metallic and non-metallic materials

Interpreting engineered drawings with an understanding of geometric dimensioning and tolerancing to translate complex technical specifications into executable machine logic

Leading team-based programming efforts and mentoring members in structured workflows and 6S lean manufacturing continuous improvement practices

Working within ISO-9001, AS9100, and ITAR-regulated environments emphasizing safety, documentation, and quality assurance inspecting work produced using precision measuring equipment, including CMM experience

Developing strong intuition for failure modes, edge cases, maintenance, and real-world system constraints

Serving primarily as Lathe Department Lead Programmer & Machinist but Quality Engineer/Inspector, rigger, and licensed fork-truck driver, etc.

Jones Manufacturing 2022 - 2026 (present)

[www.jonesmanufacturingyorkpa.com](https://www.jonesmanufacturingyorkpa.com)

TAIT Towers Manufacturing 2019 - 2022

[www.taittowers.com](https://www.taittowers.com)

Billet Industries 2006 - 2019

[www.billet-industries.com](https://www.billet-industries.com)

### FOH Audio Engineer | 2008 - Present | <https://drasticstatic.wixsite.com/cswproductions>

FOH engineering, sound reinforcement, professional systems setup & installation, DJ, lighting, event production & rental for festivals, concerts, weddings, churches, schools, theater, orchestra, and other events

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## Additional Work Experience

**The Roadhouse** 2011

Pantry Chef: food preparation, dishwasher

**Tessco Technologies** 2009

Distribution center warehouse packaging team member

**Saubel's Markets** 2006 - 2010

Stock clerk: natural & organic specialist, cashier

**Freelance Guitar Instructor** 2010 - 2011

Teaching basic music theory & guitar technique

**Cagnoli's Music Co** 2008 - 2009

Sales clerk: rentals, instrument repair/maintenance

**Fitz's Farm Market** 2004 - 2006

Field worker: gathering & harvesting fruit

## EDUCATION AND CONTINUOUS LEARNING

**Dapp University** | 2025 - Present

Blockchain Developer Mentorship + Blockchain Mastery Masterclasses

**Ongoing self-directed study** | Present

of Web3 protocols, crypto-economic design, decentralized governance models, privacy-preserving computation, scaling architecture, modular blockchains, interoperability, and protocol-level tradeoffs

**Mazak Corporation** | 2019

Mazatrol Smooth G conversational programming – turning/turning with milling & Hyperquadrex

**Mastercam University** | 2014-2015

CNC Software, Inc. associate level of Mastercam certification – lathe & mill design and toolpaths

**Manufacturer's Association of South Central PA** | 2011-2015

Journeyman machinist apprenticeship

**Lebanon Valley College** | Fall 2008 - Fall 2009 + Audio Engineering Society

Pursuing bachelor's degree in music with emphasis in recording technology

**Red Lion Area Senior High School** | 2008 + National Honors Society

Strong technical foundation in electronics, physics, calculus, engineering principles, and music theory

## COMMUNITY AND VALUES-ALIGNED EXPERIENCE

Active contributor and facilitator in community-based, recovery-oriented organizations

Experience stewarding trust, coordinating decentralized groups, and supporting shared decision-making

Motivated by ethical technology, human dignity, and systems that reduce harm while increasing individual agency

Psanctuary Church - Ordained Friends & Family Minister

Psychedelics in Recovery - Meeting chair/host, service representative, Literature Committee

LCBC Church - FOH Audio Technician & Guitarist

Living Word Community Church - FOH Audio Technician, Guitarist | Worship & Tech team leadership

## REFERENCES

**GREGORY MCCUBBIN**

DAPPU Blockchain Instructor

[linkedin.com/in/gregory-mccubbin-48735b37/](https://www.linkedin.com/in/gregory-mccubbin-48735b37/)

**ANTHONY ROMAGNOLO**

DAPPU Blockchain Instructor

[anthonyromagnolo.eth.limo/](https://anthonyromagnolo.eth.limo/)