

Senior engineer shipping production software **since 2009**, the last **8 years building and hardening Web3 protocols**. Contract systems I architected were taken through independent audits by **STATEMIND** (the firm that audits Lido, Curve and Yearn), **QuillAudits** and **storming0x**. I also build AI systems: agents, MCP servers, and LLM-powered security products, live today on the Chrome Web Store and the web.

AUDITED WORK

2024-01-17	DEGA ETH ISPO, the first Ethereum ISPO run through Lido: stETH staking, reward accrual, withdraw anytime. Audited by STATEMIND. github.com/statemindio/public-audits · Dega/2024-01-17_Dega_ISPO.pdf deployed: etherscan.io · 0x01ed03186D77698271AA316b0B29B99B1099465b
2024	\$DEGA token (ERC-20) with TypeScript deploy pipeline. Audited independently by QuillAudits and storming0x. github.com/DEGAorg/ERC20 · /audit deployed: etherscan.io · 0x97aeE01ed2aabAd9F54692f94461AE761D225f17
2024-07-20	DEGA TGE claim, multi-chain claims via EIP-712 typed signatures with cross-chain replay protection. OpenZeppelin v5, Hardhat + Foundry. Audited by storming0x. github.com/DEGAorg/TGE-claim-contract · /audit deployed: etherscan.io · 0x4800f8662600c7126c44298d72d3681671212aeb

EXPERIENCE

Senior Software Engineer, Independent · Self-employed, remote Independent contract engineering for US clients. Web3 security and architecture: the DEGA audited contracts above, game worlds operated by autonomous AI agents, a medical claim system on the Midnight blockchain (Compact, pre-mainnet through mainnet), RWA tokenization with Firepan, and MCP agent tooling that lets AI agents hold wallets and transact.	Jun 2023 · present
Senior Software Engineer, Contract · MILL5 Quality-focused engineering for a US-based regulated medical-device product: requirement and test-case reviews, defect triage, requirements traceability, release readiness in a distributed team.	Nov 2023 · present
Blockchain Developer · FIWORK, full-time remote Solidity contract architecture, cryptographic primitive design, dApp integration (viem/ethers), audit preparation, and testing infrastructure for Web3 products.	Jun 2021 · Jun 2023
Senior Software Developer · MILL5, full-time Full-stack TypeScript, Node.js, .NET and distributed systems for US enterprise clients.	Feb 2020 · Jun 2021
Senior Frontend Developer · PSL Corp, now Perficient React and TypeScript architecture for financial services, healthcare and SaaS clients, including Xtiva and SEON (Safe Fleet).	Feb 2019 · Feb 2020
Frontend & Blockchain Developer · Blocksize eFIN DEX for TokenPay: non-custodial exchange with atomic swaps (BTC/LTC/ETH) routed over Tor. Wallet UX, smart-contract integration, cryptographic primitives. First Web3 role.	Sep 2018 · Feb 2019
Earlier roles · Globant (x2), Intertec, PraTech, Intergrupo, FoundationLab, PSL, Ecoinfo Full-stack, .NET and SharePoint engineering for Wells Fargo, Electronic Arts, the Inter-American Development Bank, Deloitte, Bancolombia, Suramericana, Avianca, Ecopetrol, and Nomis Solutions.	2009 · 2018

SECURITY & AI PRODUCTS (NOCTIS)

Argus, AI transaction firewall for crypto wallets. Chrome Web Store	Argus Lens, static supply-chain malware scanner. lens.noctis.biz
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spectr-ai, AI smart contract auditor (Solidity + Vyper).
github.com/pavelEspitia/spectr-ai

HONORS

Finalist, Smackathon (Blockchain Music Challenge)

Top 10 finalists · Jul 2019 · smackathon.co

CERTIFICATIONS

MCPS: Microsoft Certified Professional

Microsoft · 2012

MCTS: SharePoint 2010, Application Development

Microsoft · 2012 · exam 70-573

EDUCATION

Técnico en Análisis y Desarrollo de Software

Centro de Estudios Especializados CESDE · 2006 · 2008

Pavel Espitia · pavel@noctis.biz

Scry, chat with any EVM contract across six chains.
scry.noctis.biz

STACK

Solidity · TypeScript · Foundry (fuzz + invariant testing) ·
Hardhat · OpenZeppelin · EIP-712 · viem · The Graph ·
Node.js · Next.js · .NET · Midnight / Compact · LLM apps
(Claude) · MCP servers · AI agents

NETWORKS

Ethereum · BNB Chain · Optimism · Base · Arbitrum ·
Polygon · Midnight

LANGUAGES

Spanish, native · English, full professional proficiency

Updated July 2026 · verifiable links throughout