

Jamie Prince

Principal Web3 Engineer | Blockchain Architect | Distributed Systems

Remote (Global) | me@jamiemichaelprince.com

PROFESSIONAL SUMMARY

Principal Web3 Engineer and Technical Architect with 25+ years of programming experience spanning low-level systems development to modern blockchain infrastructure and distributed backend architecture. Founder of ByteOne LTD (UK), leading the design and delivery of secure decentralized platforms, EVM-based smart contracts, XRPL integrations, and production-grade cloud-native systems. Deep expertise in smart contract security auditing, protocol design, observability-driven engineering, and high-availability infrastructure. Experienced collaborating across global, remote-first teams.

CORE EXPERTISE

- **Blockchain & Web3:** Ethereum, XRPL, EVM chains, NFT standards (ERC-721, ERC-1155), DeFi integrations, tokenomics design, smart contract auditing
- **Languages:** Solidity, Go (Golang), JavaScript, TypeScript, Dart, Java (Android), Python
- **Backend & Distributed Systems:** Go, Node.js, REST APIs, concurrent systems design, PostgreSQL, MongoDB, LevelDB
- **Infrastructure & Observability:** Docker, CI/CD, Linux, Nginx, Prometheus, Grafana, VPS/Cloud deployment
- **Mobile & Frontend:** Flutter, Android (Java), React, Web3 wallet integration

PROFESSIONAL EXPERIENCE

Founder & Lead Architect | ByteOne LTD (UK) | 2019 – Present | Remote

- Founded and led a UK-based consultancy delivering distributed systems and blockchain architecture solutions.
- Designed end-to-end decentralized platform architecture across EVM and XRPL ecosystems.
- Architected, implemented, and formally reviewed smart contracts including ERC-721, ERC-1155, staking mechanisms, and DeFi primitives.
- Conducted structured security audits focusing on reentrancy, access control, signature validation, gas efficiency, and economic attack vectors.
- Established secure development lifecycle practices, production risk mitigation frameworks, and audit reporting standards.
- Built scalable backend services in Go and Node.js emphasizing concurrency, reliability, and performance.
- Directed containerized cloud-native infrastructure with CI/CD pipelines and Linux-based production systems.
- Implemented full-stack observability architecture using Prometheus and Grafana.
- Designed data architectures leveraging PostgreSQL, MongoDB, and key-value stores (LevelDB).
- Advised early-stage Web3 teams on protocol design, scalability strategy, and technical roadmapping.

OPEN SOURCE CONTRIBUTIONS

- Contributed patches and performance improvements to open-source projects, participating in peer review and distributed collaboration workflows.

EARLY TECHNICAL BACKGROUND

- Began programming at age 8 in BASIC, progressing into 8-bit assembly language.
- Developed systems in REXX and C on the Amiga platform.
- Built foundational expertise in memory management, performance optimization, and system-level behavior.

EDUCATION

BSc Computer Science and Psychology | The Open University — United Kingdom

Level 2/3 UK National Diploma – Media & Digital Marketing (2023) | Adobe Photoshop, InDesign, Illustrator