

CONTACT

✉ many.rios56@gmail.com

📍 Caracas, Venezuela

EDUCATION

IUGT

TSU Informática

2013 - 2018

LANGUAGE

Spanish(Native)

English(Advanced)

LINKS

🐙 [Github](#)

in [Linkedin](#)

📧 [Telegram](#)

MANUEL RÍOS

Birthday: 05/27/89

Full Stack & Web3 Developer

SUMMARY

Full Stack & Web3 Developer with 7+ years of experience building decentralized applications (dApps), smart contract systems, and scalable backend infrastructure. Proven track record as an Independent Consultant, delivering end-to-end solutions combining Solidity, React/Next.js, Node.js, and AI integrations. Specialized in gas optimization, real-time data streams, zero-knowledge concepts, and DevOps setup on Linux environments.

CORE SKILLS

- **Languages & Web:** TypeScript, JavaScript, Solidity, HTML5, CSS3, SQL.
- **Frontend:** React, Next.js, Tailwind CSS, State Management (Zustand/Redux).
- **Backend & Cloud:** Node.js, Express, GraphQL, PostgreSQL, MongoDB, Nginx, Docker, Linux/WSL.
- **Web3 & Blockchain:** Solidity, EVM, Viem, Wagmi, Ethers.js, Foundry, Hardhat, Subgraphs, o1js (Zero-Knowledge), Somnia SDS.
- **AI & Automation:** Google GenAI SDK (@google/genai), Custom AI Agents, Telegram/Discord Bots.

EXPERIENCE

Independent Software & Web3 Consultant / Full Stack Lead | Self-Employed

2020 - Present

- **Smart Contracts & DeFi Protocol Architecture:** Designed, deployed, and audited custom EVM smart contracts (ERC-20, ERC-721, Staking, Escrow). Optimized contract code achieving significant gas reductions using Foundry and Hardhat testing frameworks.
- **AI-Driven & Full-Stack Web3 Solutions:** Built production-ready dApps integrating Next.js, TypeScript, and AI Agents for automated Web3 workflows (escrow systems, AI invoice processing, and predictive feeds).
- **High-Performance Backends & Infrastructure:** Engineered REST and GraphQL APIs with Express and Node.js. Managed VPS deployments using Nginx reverse proxies, SSL configuration, and process management (PM2/Docker) for high availability.
- **Real-Time Data & Indexing:** Built custom indexers using The Graph (Subgraphs) and integrated real-time WebSockets data streams for live DeFi analytics dashboards. Unit Testing for smart contracts with Foundry.
- **Privacy & Emerging Tech Proof-of-Concepts:** Developed privacy-preserving cross-chain bridge prototypes utilizing zero-knowledge proofs (o1js / Mina Protocol).
- **Community & Operational Automation:** Programmed custom Discord/Telegram bots integrated with blockchain listeners for automated community moderation, NFT access control, and transaction alerts.

2016-2017

- Developed and maintained mobile applications and interactive games for Android using B4A.
- Implemented UI/UX flows, physics engines, and level design features, ensuring optimized performance across target mobile devices.

TECH STACK

- **Frontend:** React, Next.js, Tailwind CSS, TypeScript
- **Backend:** Node.js, Express, GraphQL, Apollo.
- **Web3:** Solidity, Ethers.js/Viem, Hardhat/Foundry, Subgraphs, Dune Analytics.
- **Databases:** MongoDB, PostgreSQL, MySQL.