

Ricardo Castelló Román

Alicante, Spain | 27 years old

Mail: ricardocr987@gmail.com

Github: github.com/ricardocr987



Summary

Full-Stack Blockchain Developer with specialized expertise in building DeFi and payment solutions on Solana. Proficient in designing and deploying Solana programs, monetization systems, and user-focused applications, with a proven track record of delivering projects for clients like frnx.ai, Fishnet, and Botborgs. Passionate about leveraging Solana's advanced features to create innovative blockchain solutions. Seeking challenging opportunities to drive impactful projects, continuously enhancing my code and knowledge since entering the blockchain space in 2021.

Professional Experience:

Full-Stack Blockchain Developer | Freelancer (2022 - Present)

- **Contributed to frnx.ai** by building Solana transactions, enabling portfolio and liquidation swaps, staking, subscriptions, Solana Blinks and referrals, while integrating them on the frontend with intuitive UI/UX design. [[Demo](#)]
- **Designed and implemented a Solana delegate vault program**, enabling liquidation of user portfolios by a delegate wallet via a crank service triggered by conditions like spot loss, take profit and time. [[Code](#)]
- **Identified and reported a critical security vulnerability in Phantom's wallet**, earning a reward through their Bugcrowd bounty program. [[Demo](#), Resolved]
- **Designed an on-chain marketplace protocol on Solana**, integrating Token22 for token-gating, cNFTs for tokens-as-invoices and monetization features. [[Code](#)]
- **Created a Telegram bot server** leveraging Vybe network as data source to manage price alerts, executing orders and swaps. [[Code](#)] [[Demo](#)]
- **Developed a transaction builder using Mango Markets**, abstracting complex operations like deposits and withdrawals [[Code](#)]
- **Built a creator platform with Solana-Supabase authentication**, integrating token-agnostic payments using Solana 2.0 npm packages. [[Code](#)] [[Demo](#)]
- **Developed monetization components for Fishnet's infrastructure** using Solana Pay, integrating Solana authentication and wallet connection into the frontend application. [[Backend](#)] [[Frontend](#)]

- **Reverse-engineered and indexed data from a closed-source staking protocol**, enabling a successful **airdrop** distribution for Botborgs' NFT community. [[Code](#)]
- **Explored NFT development with Metaplex Core standard**, creating and testing NFT collections to expand expertise in Solana's ecosystem. [[Code](#)] [[See](#)]
- **Experimented Solana indexing using the Aleph.im indexer framework**, enhancing data accessibility and querying capabilities. [[Reference](#)]

Education:

- **Double Degree in Computer Science and Business Management:** *University of Alicante, Spain* | 2024
- International exchange at Technical University of Ingolstadt, Germany

Technical skills

- **Backend development:** Bun, Node.js, RESTful APIs, WebSocket, GraphQL
- **Blockchain development:** Solana and Anchor (Advanced), Rust (Intermediate)
- **Frontend development:** TypeScript, React, Next.js, TailwindCSS

Achievements:

- Led a solana workshop for university students. [Code](#) [Presentation](#)
- Winner at Solana Berlin Build Station with Brick Protocol. [See](#)
- Built storage solution using Cere Network at Polkadot Hackathon. [Code](#)
- Participated in multiple Solana hackathons.

Hobbies & Interests

- **Finance:** Keen interest in stocks, cryptocurrencies and money management.
- **Entrepreneurship:** Involved in blockchain startup communities and continuously researching emerging technologies.
- **Sports:** Consistent in the gym and skilled tennis player.