

Kirill Rybkov

Full-Stack Blockchain Developer &
Mechatronics Enthusiast

📍 Barcelona, Spain

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About

Builder of bold ideas. From pioneering blockchain solutions to engineering electronics, I turn concepts into reality. My journey spans software, hardware, and everything in between—always with an eye on solving problems that matter. Speed and scalability are my guiding principles.

Skills

Software Development

React/Next.js JavaScript/TypeScript Solidity ethers.js/web3.js Tailwind CSS C# Python C/C++

Engineering

Arduino Raspberry Pi CAD (Onshape) 3D Printing

Soft Skills

Critical Thinking Problem Solving Public Speaking Leadership Team work Organization

Work Experience

Lattic3 Finance

Oct 2024 – Present

Co-Founder

- Spearheading the development of DeFi solutions for the Radix ecosystem
- Leading frontend development using Next.js and Shadcn/UI to create a user-centric interface

CalmScent & BorderlessWave

Feb 2023 – Sep 2023

Entrepreneur

- Established "CalmScent," a dropshipping store specializing in oil diffusers
- Founded "BorderlessWave," a Twitter/X management agency targeting tech startups

Ragemp.pro

June 2021 – Feb 2022

Freelance Game Developer

- Designed and implemented backend systems using C# and frontend systems with JavaScript
- Developed various game functionalities for servers based on the RAGE:MP API for GTA5

Blockchain Hackathons

Feb 2022 – Present

Completed 15 crypto hackathons in total (irl & online). Notable ones are listed below.

EBC10 Radix



2nd Place | \$5,000

Radish

Team Size: 2 · Role: Front-end dev · Chain: Radix
Multi-collateralized lending protocol.

ETHGlobal Brussels



Worldcoin Pool Prize

SCRBL

Team Size: 3 · Role: Solidity dev · Chain: Optimism
Uncollateralized lending platform leveraging Worldcoin onchain identity.

BuildUp #2



3rd place | Blue Sky Category | 5,000 EUR

Lukso Lending Protocol (LLP)

Team Size: 1 · Role: Full-stack dev · Chain: Lukso
First lending platform on the Lukso (L1) blockchain.

Chainlink SmartCon Hacker House Barcelona 2023



2nd Place | Other Services | \$2,500

DecentPort

Team Size: 2 · Role: Solidity dev · Chain: Ethereum
Decentralized marine port game built on top of Chainlink's VRF.

ETHLisbon 2022



Finalist | Multiple Prizes | \$10,000

Lekker Finance

Team Size: 4 · Role: Frontend dev, Designer · Chain: Ethereum
One-click futures leverage platform.

Filecoin SBS 2022



2nd place | \$1,000

newEnvAI

Team Size: 1 · Role: Full-stack dev · Chain: Filecoin

Leveraging NASA API to detect wildfires using dynamic NFTs, integrated with OpenAI's API for AI processing (before the AI hype).

Road to Web3



Multiple Prizes | \$3,000

The Loan Stream

Team Size: 4 · Role: Frontend dev, Designer · Chain: Polygon

My first hackathon. Built a lending platform using Superfluid streams.

Side projects

Global Currency Digital Asset

Created a Python program to analyze global currencies and attempt to create a digital currency based on geometric mean of exchange rates. Concluded that existing currencies such as USD outperform any new digital global currency.

Python Data Science
Matplotlib

Active Suspension System •

Built an active suspension system for a 1/10th scale RC vehicle to prevent rollovers in off-road conditions. Used Arduino, gyroscope, and a custom perfboard PCB, with 3D printed frames and enclosures. Wrote a 6000-word research essay showcasing the process and findings.

Arduino C++ Electronics
3D Printing

AFDA - Autonomous Fire Detection Aircraft

Part of efforts to combat wildfires in Catalonia. Responsible for electronics integration including SpeedyBee flight computer, motor, telemetry, and camera. Collaborating with team on drone construction and wildfire detection AI. Currently in negotiations with Agrupació de Defensa Forestal.

Raspberry Pi Arduino
Electronics

Desk Lamp

Designed and built a custom desk lamp with a wooden base, metalworked stand, and electrical work for the bulbs, with a plastic cover.

Woodworking Metalworking
Electronics

Customized 3D Printer

Upgraded Creality Ender 3 v3 SE with remote access, auto turn-off, and integrated Octoprint software via Raspberry Pi. Currently working on an enclosure with filter for ABS printing.

Raspberry Pi OctoPrint
3D Printing

Education

The British School of Barcelona

2021 - 2025

Duke of Edinburgh Award

Bronze and Silver Awards for leadership and resilience. Completed 4 challenging journeys in the Catalonia wilderness, walking 20km each day with 15kg backpacks, including two 2-day and two 3-day journeys (sleeping in tents).

Hiking Expedition

Model United Nations

Represented Tanzania in UNWOMEN Council; my clause on post-partum contraceptives was passed into the final resolution, highlighting my passion for international relations.

International Relations
BIMUN

Public Speaking

Gave a speech at CosmoCaixa venue in Barcelona to 300 people on the future of human-computer interface (brain chips)

Public Speaking 4Voices