

# 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

Jun 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

## 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 USD would 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 parts. Wrote a 6000-word essay showcasing the process.

[Arduino](#) [C++](#) [Electronics](#) [3D Printing](#)

### AFDA - Autonomous Fire Detection Aircraft

Developing a wildfire detection drone for Catalonia, handling electronics integration (SpeedyBee flight computer, motor, telemetry, camera) and collaborating on AI and construction. Engaged in talks 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](#)

## 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 Worlcoin 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.

## Education

### The British School of Barcelona

Sep 2021 - Jun 2025

#### A-level

- Physics: A
- Mathematics: A
- Computer Science: A
- EPQ: A\*
- Russian: A\*

Grades A\* to E

#### 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