

# Roberto Cano

---

**CTO and Principal Engineer** with more than 22 years of experience in several strong industries like **Mobile Videogaming, Multimedia Broadcasting, Aerospace Operations, Broadcasting, Streaming Revenue Protection, DAO Tokenomics and Governance** and **DeFi**, always focusing on quality and security.

After working with different solutions like **Embedded Radar for Surface and Airborne Monitoring (INDRA)**, **IPTV Broadcasting (Nokia)**, **Conditional Access for Broadcast TV (Irdeto)**, **DRM solutions for Over-the-Top Streaming (Verimatrix)**, **Mobile Free-To-Play Videogaming (SocialPoint and Outfit7)** or **Blockchain DeFi Insurance Protocols**, I've broaden my knowledge and know what are the key features to make a technological company thrive and **succeed in the market**.

Currently focused on Blockchain and DeFi I've worked closely with main protocols offering advance DeFi investment such as leveraging, staking, lending, funds and RWA.

---

## Links

LinkedIn <https://www.linkedin.com/in/robertocano/>  
Github <https://github.com/robercano>  
Website <http://www.thesolidchain.com>

---

## Education

1998–2002 **Master of Science in Computer Science**, *Universidad Autónoma de Madrid*, Spain

---

## Skills

Blockchain Solidity, Hardhat, Node, Subgraph, ethers.js, Viem, Ethereum, Polygon  
Languages Solidity, Typescript/Javascript, Python, C/C++, Bash  
Videogames Unity, C++ custom engines, Cocos2d-x, OpenGL, Shaders  
Linux Kernel Drivers, Bash, GStreamer

---

## Achievements

Summer.fi Evangelized about the importance of tools and security for everyday operations, designed and implemented a new SDK on top of the existing tech to offer it to third parties  
Ntropic Labs Implemented an NFT cryptographic game that allowed the company to get funding, worked as the CTO advisor evangelized the team for using a better process and helped establishing the company culture  
The ANTHILL Helped advance the roadmap 6 months by implementing the first Tokenomics system (backend+frontend) that allowed the DAO to start asking for investment  
Outfit7 Helped establishing the architecture, technologies and studio culture for the brand new Barcelona studio  
Verimatrix Developed a PoC for secure path jointly with ARM and presented it at IBC 2015 and CES 2015  
Irdeto Established continuous integration and testing culture, implemented a new web UI for the headend servers and achieved Top 10% performer in 2013  
Luknia Designed and developed from scratch a new IPTV/DTT middleware  
Indra Deployed a new primary surface surveillance radar in Palma de Mallorca's airport

---

## Languages

Spanish Native speaker  
English Proficient

---

## Professional Experience

Sept 2021-Current **Founder, [The Solid Chain](#)**

The Solid Chain is a consultancy agency for Blockchain and Web3 related technologies. We offer a varied range of services like Smart Contracts Development, Cryptography Assessment, Technical Leadership or Architectural Design. Always focused on providing the maximum quality and create a relationship of trust with our clients.

As founder I'm in charge of finding the talent that our clients need and growing The Solid Chain brand to make it known in the Blockchain and Web3 space. I also take care of the relationships with our clients and of creating a relationship of trust.

As principal engineer I take care of the design of our solutions, the development of the critical path (Smart Contracts), internal auditing and ensuring good practices.

Jul 2023-Aug 2026 **Principal Architect and Smart Contracts Engineer, [Summer.fi](#)**, The Solid Chain  
Summer.fi (formerly Oasis.app), known as the first frontend for the Maker protocol, is nowadays among the first DeFi service providers and posed to become the best place to borrow and earn in DeFi.  
It offers easy access to many protocols and chains for users to easily borrow and multiply their tokens.

Responsibilities and achievements:

- Helping to establish good practices and processes in the Dev team
- Evangelized the team for the creation of tools that helps improving the DevX and saving time in day-by-day operations
- Designed and implemented a new SDK in Typescript to abstract the complexity of the existing tech and to be able to offer it to third parties for ease of use
- Helped design and maintain the Summer.fi protocol for funds and RWA

Oct 2021-Dec 2022 **Principal Architect and Smart Contracts Engineer, [Ntropika Labs](#)**, The Solid Chain

Ntropika Labs is a Web3 research company for common goods focused on bringing and improved insurance AMM to the blockchain. Using the Kelly Criterion instead of Black Schole, the Potion protocol allows for users to participate in the AMM by either adding liquidity for insuring crypto assets, or as purchasers of the insurance. The Kelly Criterion premium calculation ensures a more fair market with more long term viability.

Worked closely to the CTO advising on the technical solutions available, researching new paths and interfacing with the dev team. Acted as tech lead and architect plus developed the new version of the protocol smart contracts to include a Hedging Vault that allowed aggregated liquidity for the protocol.

Responsibilities and achievements:

- Helped funding the protocol through an NFT cryptographic game where participants purchased NFTs that contained an encrypted secret that gave access to the protocol's source code
- Worked closely with the CTO and advised him on the possible technical solutions, researched existing protocols and helped product make informed decisions
- Evangelized the team for using Agile/SCRUM and improved the team output and happiness in a short period of time

- Mar 2021-Current **Chief Technology Officer, [The Anthill](#)**, The Solid Chain  
 The Anthill is the first decentralized (Self-Governed) Global Collective of Creative Minds. Leading the technological development for The Anthill in order to bring the creative power of the community and their Tokenomics to the Blockchain, and to participate in the DeFi ecosystem that is thriving right now.
- In charge of mentoring the technology team, analyzing the requirements and designing the architecture for the ANT Token and The Anthill website. Ensuring the proper processes to make sure that the Tokenomics are strong and bullet-proof and setting up the foundations for the future of the community.
- Responsibilities and achievements:
- Helped advance 6 months the roadmap by implementing the first Tokenomics system (backend+frontend)
  - Mentoring of community members on the technology used in Blockchain
  - Architecture and design of the system and communication with the CFO to continue improving the Tokenomics
  - Auditing of the smart contracts and reviewing the security of the system
- Oct 2020-Mar 2021 **Enjoying Life Manager, *At home***, Barcelona, Spain  
 Work break to explore new challenges and technologies, and relax a bit. In this time I've explored the following spaces:
- Music production and Mixing
  - Songwriting
  - Story-telling and writing
  - Pixel-art design
  - Blockchain development
- Jan 2019-Sep 2020 **Senior Mobile Game Developer, [Outfit7](#)**  
 The major Slovenian game developer behind the Talking Tom franchise. Working on the brand new Barcelona studio as one of the initial members. I had the opportunity to not only establish the technology and practices that we use today, but also the culture in the studio. We are currently developing a brand new game based on the Talking Tom franchise, due to be release at the end of 2020.
- May 2017-Current **Senior Mobile Game Developer, [SocialPoint](#)**  
 One of the biggest Spanish mobile video-game developers with several successful multiplatform mobile games like Dragon City and Monster Legends. Dragon City is a free-to-play game that's been up and running for 5 years now with millions of users around the world. Recently acquired by Take Two Interactive, SocialPoint is currently growing fast and developing new thrilling titles. An always changing environment that requires sharp skills and effective team work.
- July 2014-April 2017 **Senior Mobile Engineer, [Verimatrix](#)**  
 NFC and security related company with headquarters in France and several offices around the world. Today it also includes DRM technologies for mobile devices, tablets and a wide range of linux boxes. The DRM Fusion Agent is a downloadable DRM solution that can be integrated into any mobile application by application developers to provide video streaming, decryption and playback. Multiplatform software running on Android x86/ARM, iOS, Windows and Linux. In charge of the current Trusted Execution Environment architecture in the company.
- Aug 2011-June 2014 **Senior Embedded Engineer, [Irdeto B.V.](#)**  
 Worked for the Broadcast CA team implementing cutting edge audio and video session based watermarking solutions. The system made use of Linux and QNX for firm real-time scrambling and audio, SD video and HD video watermarking. The product allowed the customers to identify the exact source (smartcard) of a media content being rebroadcasted or uploaded to internet. This solution was implemented in the headend.
- 2010-Aug 2011 **Software Architect and Senior Embedded Engineer, [Luknia](#)**  
 Startup project on multiplatform IPTV middleware aimed to provide interactive advertisement and user participation. Included RAD tool for 3rd parties to develop STB apps.

- 2006-2010 **IPTV and Middleware Engineer**, [Nokia](#)  
MiViewTV IPTV STB browser-based middleware used in platforms like Imagenio from Telefónica in Spain. Deployed in several countries: Spain, Czech Republic, Brazil and more. Design and implementation of interactive advertising, EEPG, PVR Recommender, Fast Channel Change, Flash Lite based GUI and browser-based GUI.
- 2004-2006 **Junior Radar Engineer**, [Indra Systems](#)  
First Mode S radar developed in the company. Based on a Thales V4G4 board running VxWorks. Implemented custom drivers to interface with custom cards and equipment for RF, signal processing, antenna control and user GUI.

---

## Conferences

- 2023 **European Blockchain Convention 2023, ETH Barcelona 2023, ETH Porto**  
2022 **DevConnect Amsterdam 2022, ETH Gathering 2022**  
2016 **Unite Europe 2016, GDC Europe 2016, ScreenShake**  
2015 **GOTO Conference 2014/2015, O'Reilly OSCON 2015**