



06/03/1995

ABOUT ME

Focused on solving problems and always learning. I enjoy building tools that automate tasks and simplify people's lives, turning challenges into practical solutions.

OTHER INFORMATION

- Driving license
- Own vehicle
- Full availability

PERSONAL TRAITS

- Problem-solver
- Self-taught in API ecosystems
- Understanding of blockchain technologies and smart contracts

Spanish
Native.

English
Fluent.

French
Basic.

CONTACT



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Salamanca

Sergio Corral

Software Developer

TECHNICAL SKILLS

- **Languages:** Python, JavaScript, C, Kotlin, Solidity
- **API Technologies:** REST, GraphQL, Web3 RPC
- **Tools:** Git, Google APIs, Gmail API, OpenAI API, Discord API, Docker, Web scraping (Selenium/BS4)
- **Blockchain:** Ethereum, Ronin, Smart Contracts, MEV bots
- **Others:** Linux, GitHub Actions, MySQL, JSON, Google Sheets API

PROFESSIONAL EXPERIENCE

Android/iOS Developer – Internship

Pixel Innova, Salamanca (Spain) · Jul 2024 – Sep 2024

- Developed cross-platform mobile apps using native technologies.

Industrial Automation Developer – Full-Time Roles

Various Companies (Gedelsa, LDM, Enusa, Desarrollo Tecnológico) · Jun 2017 – Aug 2020

- Developed and maintained PLC programs for industrial machinery.
- Programmed ABB robots and integrated them into manufacturing lines.
- Troubleshooted and improved automation systems in production plants.
- Gained hands-on experience with industrial control systems and maintenance protocols.

PERSONAL PROJECTS

Discord Community Automation System

Created a fully automated system through a custom Discord bot, +2000 user blockchain-focused community. Built with Python and JavaScript, using a wide range of APIs (Sky Mavis, Gmail, Google Sheets, OpenAI, Web3 RPC) to:

- Track user activity across blockchain games (Axie Infinity)
- Automate smart contract interactions and transaction processing
- Snipe marketplace opportunities and deliver real-time data
- Provide free tools for managers to oversee accounts, send emails, and manage assets effectively
- All features were self-hosted and fully integrated with community tools to deliver meaningful value.

Blockchain Frontrun Bot & Node Deployment

Developed and deployed a self-managed frontrunning bot to monitor blockchain transactions and perform upfront arbitrage operations.

- Fully written in Python, currently being migrated to Kotlin + JVM for improved performance and scalability
- Deployed a full Ronin node using Docker for direct mempool access
- Designed to scan and prioritize profitable transactions within the Ethereum-based Ronin network
- Capable of real-time transaction crafting and broadcasting for maximum profit efficiency

EDUCATION

Bachelor's Degree in Computer Engineering

University of Salamanca – 2021-25

Advanced Technician in Industrial Automation and Robotics

IES Ciudad de Béjar - 2015-17