



Rubén Calvo Villazán

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EDUCATION

2015 - 2019
(Granada)

Degree in Computer Engineering at the University of Granada.



Specialization in IT (**Information Technology**) and graduating **with honors** in the subjects related to programming. Some of the knowledge I acquired includes algorithms and data structures, Linux operating systems, open source, object oriented programming in different languages, artificial intelligence, server and client side programming, networks and cybersecurity.

Realization of a **Degree Final Project** using **Blockchain** technology that obtained the qualification of **8.5**.

2013 - 2015
(Granada)

Bilingual Scientific and Technological Baccalaureate.

Baccalaureate studied in **English** in a bilingual way, in both scientific and technological subjects.

Exchange student for 3 months in Belgium.

LANGUAGES

Spanish – Mother tongue.

English – High level. C1 Advanced. Full-Working Proficiency.

PROFESSIONAL EXPERIENCE

2020 - Present
(Madrid/Germany)





Full-Stack Blockchain Developer.

As a Full-Stack Blockchain developer at Cibernos, I dedicated myself both to the end user's view of the product and also to all the Blockchain logic behind it. My role in this company was the design, configuration and development of a Blockchain (Hyperledger Fabric) network, the inter-communication of various REST APIs (NodeJS) with the Blockchain, and the development of a web application (Angular) for the end-user to interact with the product.

- Blockchain network design.
- **Hyperledger Fabric** configuration and development.
- Blockchain scalability and network maintenance (including Fabric update to latest version).
- **Smart Contract** development using **NodeJS** and **Go**.
- REST API design and development in **NodeJS**.
- Asynchronous integration and communications API-Blockchain.
- REST APIs hosted on **Amazon Web Services**.
- Cloud computing and scalability.
- Blockchain integration with **AWS S3** storage to store the off-chain data.
- Blockchain integration with a decentralized storage system (**IPFS**) to store off-chain data and confidential files.
(<https://ipfs.io/>)
- Modularization of the product in **Docker** containers.
- Dependencies and multi-container definitions using **YAML** files and **Docker-Compose**.
- Securitization of the API with **Json Web Tokens**.
- **Angular** web application and integration with REST APIs.
- Version control and collaborative code with **GitHub**.
- **Agile** workflow with **Trello**.

2017 - 2018
(Granada)



Business Intelligence Consultant at Banco Mare Nostrum.

During my experience as a Business Intelligence Consultant at Banco Mare Nostrum, I worked on the technological integration with Bankia, performing the migration of the customer database, the update and maintenance of the databases as well as the deployment of periodical procedures to keep the data updated. I also worked on the data treatment to be displayed on a web application.

- Technological integration of BMN with Bankia for the bank fusion.
- Development of procedures in **PL/SQL** language.
- Database processing with **Teradata**.
- Data analysis.
- Client reports creation with **MicroStrategy**.
- Data treatment via a web application.

OTHER EXPERIENCE

2017 - 2019
(Granada)



Sales Promoter and Sales Agent in Jazztel.

Product sales, customer service and commercial marketing.

- Communicative skills.
- Dynamism and pro-activity.
- Orientation to results.
- Teamwork and leadership.
- Problem solving.
- Communication with clients from all over the world.
- Use of several languages.

PERSONAL PROJECTS

- Forensic evidence manager with Ethereum Blockchain. (<https://github.com/rubcv/tfg>) (<https://prezi.com/p/swqnb2o6ygn/>) (presentation).



Complete ecosystem that allows to store forensic evidences in a Blockchain (Ethereum). REST API (NodeJS) to communicate with the Blockchain and custom website to interact with the API.
Website integration with the Metamask web wallet.

- **Ethereum Framework.**
- Smart Contract development in **Solidity**.
- Network management with **Truffle**.
- REST API development in **NodeJS**.
- Environment integration with the **Truffle-suite** tools.
- Application testing with **Ganache** and **TestRPC** test-networks.
- Integration with the web wallet **Metamask**.

- Decentralized File System (IPFS) API with NodeJS. (<https://github.com/rubcv/IPFS-API>)
- Support the Telecommunications University of Granada (ETSIIT) in an extension of my Final Degree Work.
- Creation of a web service in the decentralized network Tor.
(<https://github.com/rubcv/Hidden-Service-Tor-Network>)
- Decentralized voting system using Hyperledger Fabric.
(<https://github.com/rubcv/Decentralized-Vote>)
- YouTube channel with video tutorials dedicated to decentralized technology.
(<https://www.youtube.com/channel/UCGReyQexaqZtvfkqogBWaHw>)