Coimbra, Portugal

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gitlab.com/RoMarQ

github.com/RoMarQ

RODRIGO QUELHAS

Software Engineer

WHO AM I?

I am a software engineer with broad experience in full-stack development and DevOps. Currently, most of my work revolves around blockchain technologies, especially on Substrate and Tezos blockchains.

EDUCATION

University of Beira Interior   **University of Coimbra**

9/2019 – 10/2021   **Master's Degree in Cyber Security**

University of Coimbra

9/2019 – 2/2021   **Diploma of Specialization in Computer Security (CeSI)**

University of Coimbra

9/2015 – 6/2019   **Bachelor's Degree in Computer Science and Engineering**

University of Beira Interior

9/2014 – 8/2015   **Foundation Degree in Development of Digital Products**

Polytechnic Institute of Castelo Branco

9/2011 – 7/2014   **(EQF 4) Software Programming**

Secondary School of Fundão

INTERESTS

Smart Contracts

Decentralized Systems

Smart Cities

Programming Language Theory

Open Source

EXPERIENCE

3/2020 - present   **Blockchain Consultant**
Self-employed
Tezwell

Currently, I am working on a variety of projects, which include an inter-blockchain communication protocol and an application blockchain for orchestrating an Oracle infrastructure.

In the past, I was one of the maintainers of SmartPy, an embedded domain specific language, and platform for writing smart contracts, which probably still is the most used language in the Tezos blockchain.

I also created VisualTez, a visual programming tool that allows users to develop smart contracts by simply dragging and dropping blocks.

Stack: `Rust / Typescript / Golang / Ocaml / Python / ReactJS / Docker / Nginx / GraphQL / PostgreSQL / ChainLink / Terraform / GCP / AWS`

6/2019 - 3/2021   **Software Engineer (High integrity systems)**
Critical Software

I worked on a docking guiding system for airports, where I was an early member of the project, which allowed me to be deeply involved in the system's design and lead teams during the multiple phases of the project.

Stack: `JavaEE / Apache TomEE / Maven / Typescript / MariaDB / ReactJS / Docker / OPC UA / Jenkins / RPM-build`

4/2015 - 8/2015   **Web Developer**
Internship
Polytechnic Institute of Castelo Branco

3/2014 - 7/2014   **Web Developer**
Internship
Mixlife