Jorge Silva

Software Engineer

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EXPERIENCE

Staff Software Engineer

Syndicate

Sep 2024 – Present

Built core infrastructure for the Syndicate Appchain Rollup Stack — including the derivation layer, RPC server, settlement logic, and on-chain smart contracts.

Technologies: Rust, Go, Solidity, TEE, ZK-proofs

Head of Engineering - Layer 2 Smart Contracts

Iota Foundation

Apr 2021 – Sep 2024

Led the team and drove the design, implementation, and maintenance of IOTA Smart Contracts (also known as IOTA EVM).

Technologies: Go, Solidity, Rust, Typescript, Webassembly

Senior Software Engineer

Bitfinex

Apr 2019 - Apr 2021

Worked on the Bitfinex trading platform, developing new features and maintaining the existing codebase. My main focus was high-quality performant UI code. Also did some Ruby-on-Rails/NodeJS backend work.

Technologies: Javascript, CSS, React, Ruby-on-Rails, NodeJS, WebAuthN

Lead Software Engineer

Applied Blockchain

Aug 2018 - Apr 2019

I worked as a lead software engineer, building complex and robust applications for Applied Blockchain's corporate clients.

Technologies: Javascript, CSS, React, Solidity, NodeJS

Full Stack Engineer

Blip

Nov 2017 - Jul 2018

Blip is a software house that is part of Paddy Power Betfair.
I worked as a Full Stack Engineer, developing software for the Risk and Trading Team.
Designed and built performance-sensitive applications to innovate and improve the company business.

Technologies: Java, RabbitMQ, Javascript, SQL

Full Stack Engineer

Semasio

Oct 2016 - Nov 2017

I worked as a Full Stack Engineer, mostly in C#, doing frontend/backend development, container creation/orchestration, test automation, etc.

Technologies: C#, Javascript, Asp.Net, OData, SQL, Docker, Service Fabric, Selenium

Lead Full Stack Engineer

Codeplace

Nov 2015 - Aug 2016

Codeplace was a marketplace for web development tutorials.
I worked with Ruby on Rails and built crucial pieces of software for the platform (from markdown editors, invoice/payment systems, etc).

Technologies: Ruby on Rails, HTML, CSS, Javascript, Heroku, AWS, Algolia

Consultant

Deloitte

Sep 2014 - Oct 2015

As consultant for Deloitte, I worked on two projects for the Insurance Industry.
The first project was an ETL integration between two companies.
The second was to design and implement a CI environment to automate delivery and testing.

Technologies: Jenkins, Oracle Openscript, Oracle Data Integrator, Java, SQL/PLSQL, Apache ANT

Master Thesis

Shiftforward

Porto

Sep 2013 - Jul 2014

For my Master Thesis, I applied Machine Learning techniques to predict user purchasing behaviour in an e-commerce setting.

Technologies: Machine Learning; Weka, Java, SQL

EDUCATION

FEUP

Master's Degree in Computer Science

2009 - 2014

- Master Thesis using Machine Learning for e-commerce user behaviour forecast.

- Organizer for student events and tech conferences.

Colégio Internato dos Carvalhos

Highschool

2006 - 2009

High-achieving student, learned to program in Pascal, Visual Basic and C++.