

# Hugo Silva

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## EDUCATION

### UNIVERSITY OF MINHO

MASTER'S IN ENGINEERING AND  
MANAGEMENT OF INFORMATION  
SYSTEMS

Master's Dissertation Grade: 19  
September 2021 | Portugal, Braga

### BRITISH INSTITUTE

Grade: C2  
May 2014 | Portugal, Braga

### MUSIC SCHOOL

7TH GRADE PIANO  
September 2015 | Portugal, Braga

## SKILLS

### TECHNICAL SKILLS

Proficient with:

JavaScript(ES12) • TypeScript • Vue.js  
C# • SQL Server • HTML5 • CSS3  
Git • Linux • Agile (Scrum) • Node.js

### SOFT SKILLS

Excellent:

Bilingual Communicator (English, Portuguese)  
Adaptability • Teamwork • Positivity  
Creative and critical thinking

## WORK EXPERIENCE

### IDRYL TECHNOLOGIES

FULL STACK ENGINEER  
March 2019 – Ongoing

- Created multiple front-end Apps with Vue.js, Javascript, HTML5 and CSS3
- Developed back-end in C# (ASP.NET framework) using the MVC design pattern
- Developed SQL Server procedures
- Attended various meetings for requirement gathering
- Was part of many projects in different industries: healthcare sector, construction industry, justice sector and Education sector

## PUBLICATIONS

- [1] T. Guimarães, H. Silva, H. Peixoto, and M. Santos. Modular blockchain implementation in intensive medicine. *Elsevier*, 14 April 2020, <https://doi.org/10.1016/j.procs.2020.03.073>.

## TECHNICAL PROJECTS

### BLOCKCHAIN SOLUTION FOR HEALTHCARE TRACKING

2021 | Portugal, Porto

- Built Blockchain using the Hyperledger Fabric, to track Healthcare data
- Used various technologies such as: GoLang • Node.js • Docker • Hyperledger Fabric • Python • CouchDB
- Developed a Web API for asset creation, modification, and query
- Integrated various Blockchain monitoring software: Blockchain Explorer, Hyperledger Caliper, Prometheus and Grafana

### REAL TIME MONITORING APP FOR SERVERS, DATABASES AND WEBSITES

| GITHUB

2018 | Portugal, Braga

- Led a team of 5 to create a real time monitoring app for servers, databases, and websites based on various requests (Ping, Http, and Database requests)
- It was developed with React, D3, and NVD3 for the front-end and graphs. Node.js, socket.io and MongoDB for the back-end.

### PAYPAL INVOICE SYSTEM WITH ERP INTEGRATION

2017 | Portugal, Braga

- Led a group of 8 developers in a project to integrate Primavera ERP, Moloni, and Navision into a Bizagi workflow that would facilitate invoice payment with Paypal and SMS alerts. Built Node.js Webservice

## BUSINESS PROJECTS

### MODULAR WEBSITE | WEBSITE

2021 | Portugal, Braga

- Developed the frontpage of GooPortal using Vue.js, CSS3, Locomotive.js

### VOICE, VIDEO AND TEXT CHAT WEB APP

2020 | Portugal, Braga

- Developed various functionalities by means of JQuery, C# MVC, Web RTC and a Turn/Stun Server
- Supports online video calls, file sharing, an integrated chat

### COMPARATIVE MAP FOR A CONSTRUCTION COMPANY

2020 | Portugal, Braga

- The map was developed using Vue.js, Http requests, and CSS3 and supports various features such as: • marking the item as contracted • hiding and showing suppliers

### ABSENCE TRACKING APP

2020 | Portugal, Braga

- Designed and developed an absence marking web application for a construction company that allows Work Request state management and validation of the workers' attendance
- Built with Vue.js, HTML and CSS