

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

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

MONITORING SERVERS, DATABASES AND WEBSITES

| GITHUB

2018 | Portugal, Braga

- Led a team of 5 to create a monitoring system 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
- The website was developed with a low code approach.

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