José Miguel da Costa Rodrigues

Curriculum Vitae

Career Objectives

The constant evolution in all my qualities and flaws, guarantying the adaptation for the constant changing market in our era and society, then helping others to do the same.

Education

2015 - 2018	**Degree in Computer Engineering**, *ISEP - Higher Institute of Engineering of Porto*, ISEP.
2014	**Specialist in Network and Information Systems Management** , *ATEC Training Academy*, ATEC, Certifications: AHK, CCNA 1,2 and CCENT.

Technical Skill

Programming Language	Java 8, C#, JavaScript: TypeScript, ES6, NodeJs, Python 3 , Golang, Rust , Python
Markup and style Language	HTML, CSS/SCSS, Markdown, Pug, LATEX, Bootstrap 3 & 4, Plantuml
Back-end	.NET MVC,.NET Core MVC, Java Spring, Lumen Framework, Express, SailsJs, Socket.io, QT, Iris (Golan), Laravel Framework, Spring Framework 5
Front-end	React (material ui, typescript), Angular 5-7 (Material UI), Vue.js 2 & 3, NativeScript (with Vue), Socket.io, Electron, Chart.js
Database	MariaDB, MSSQL, MongoDB, Redis, SQLite, Cassandra
Office Tools	Microsoft Office, LibreOffice, Markdown, TEX, LATEX 2_ε
Graphical Tools	Inkskape, Gimp, Scribus
System documentation	Confluence, Jira, Gitlab wiki, GitHub wiki Markdown, PlantUml (essential), Visual Paradigm, Graphviz , Microsoft Visio, Swagger & OpenApi 3, Miro
Project management	Jira, Confluence, Trello

Agile Methodologies	Scrum, Kanban
Operating systems	Ubuntu, OpenSuse, Centos, Windows 10, Windows server 2016/2019
Deployment System	Dockers + Docker-compose + kubernetes + Terraform, Amazon AWS , Heroku, Azure (projects with Helm charts or Terraform)
Version Controlling Tool	Git, GitLab, GitHub, Gitlab
Public Project	GitHub URL - "https://github.com/JoseRodrigues443"
Blockchain	Diem Farfech Node Partner, Lukso, Polygon, Solidity
Concepts	Structured Programming, Object Oriented Programming, Design Pattern and Refactoring, UML, Programming Principles & Patterns , Cloud Computing, Quality Assurance

2021 - 2022 Farfetch Senior R&D

Context	A Research and development Role on the arch cluster at Farfetch, a British-Portuguese online luxury fashion. Multiple objectives where analysed and in some cases implemented. The Diem Consortium Blockchain partnership, where Farfetch is part, were we created the solution to deploy and integrate with all the Diem (former known as Libra, the Facebook Cryptocurrency) Validators, allowing Farfetch to be able to share and use the financial features on that decentralized coin system. And lastly the Product Verity initiative project, using Ethereum based solutions, allows the client and brand to validate if a given product is authentic, to prove ownership, resell as a NFT and be able to see the global history and providence of the item. A POC was made, with a mobile application that allowed the user to scan a smart tag on a product (smart tag that is unique and cannot be reproduced), then check if that is a real authentic Gucci item, to check if it has a owner, and try to buy or claim ownership. After that the user would receive a NFT that is a digital twin of the product, being able resell that collectable.
Technology	Docker, Kubernetes, Terraform, Ansible, Ehtereum, Libra/Diem Blockchain, Python (Jupiter Notebook), Dotnet Core, Kafka, Jenkins, Cassandra, Rust, Solidity
Protocols	REST, HTTP, GRPC, GRAPHQL, Ethereum Dapps
Architecture	MVC, MVVM, Layer Architecture, Decentralized Blockchain
Agile Methodology	Kanban
Role	Research and development

2020 Farfetch

Context	Architectural role on the arch cluster at Farfetch, a British-Portuguese online luxury fashion. Multiple company critical projects were developed and designed with me. Globalization project that is used by the entire company that enables teams to be able to handle multi country services without having to re-implement all the logistic of time, caching, country routes, coin statistics and others. The communication platform, a highway for internal communications of all the micro-services based on Kafka, where teams can use to make internal communications, external contact to clients via SMS/Email/Webhooks/others Research optimal tech solutions for 3D assets, a projects that uses Nuxeo to produce, share and provide multiple types of assets, 360 images, virtual reality solutions and dynamic 3D rendering using the Nvidia Geforce Now API (we also analysed Google Stadia but it was not the final solution).
Technology	Docker, Kubernetes, Terraform, Ansible, Libra/Diem Blockchain, Python, Dotnet Core, Nuxeo, Kafka, Jenkins, Cassandra, Rust
Protocols	REST, HTTP, GRPC, GRAPHQL, Ethereum Dapps
Architecture	MVC, MVVM, Layer Architecture
Agile Methodology	Scrum
Role	Software Architect

2018/2019 Critical Manufacturing

Context	Main product development team of a manufacturing execution system (MES), normally used in multiple factories. The product allows to manage all the requirement's of multiple facilities that produce different product's for a given company. The product development team creates and manages the main framework to development a highly customizable MES, that can be used in different manufacturing areas, for different products (medical area, automobile and many others). World wide companies use this product, relying in its quality and flexibility, like IKEA, Renault, Braun, Philips and others.
Description	Migration task force, responsible for migrating the legacy system, for a more robust and modern alternative, allowing users to use a more extensible framework. The front end part of the project is being migrated to angular 7, and back-end that relies on .Net with a WCF communication layer to REST with generated typescript contracts. The older test scenarios are also being updated using the Selenium interface.
Technology	Asp.net, .Net Core, Angular 5/7, Telerik UI, Typescript, SilverLight, IndexDB, MSSQL, TFS, Azure DevOps, IIS
Protocols	REST, WCF, SOAP, HTTP
Architecture	MVC, MVVM, Layer Architecture
Agile Methodology	Scrum
Role	Full-stack developer

2016 - 2018 Sync2Egoi Project - E-Goi

Context
The E-Goi platform and company is a multi-channel tool that allows companies to send marketing campaigns to the clients using multiple communication channels. The E-Goi users can organize all their client information in many lists and groups according with the needs, then organize it with segment and tags. Then the groups of clients sorted in groups may be contacted using the multi-channel platform (Push notifications for mobile/web, sms, email, voice).

Problem
The E-Goi framework, haves the possibility to integrate with other platforms, such as Wordpress, CRM's, concurrent platforms (MailChimp, AWeber ...) and to integrate to automation tools like Zappier. However all this platforms uses very different technologies, and integration's with concurrent platform may process million of resources. There is the need for a system that flexible enough to manage all the endpoint connections, and system integration's.

Description
A core system made with REST MVC Laravel was made, that manages all the integration's registers. Then a layered architecture managed all the connections to the different protocols, using adapters that are responsible to manage the connections. Each integration was execute by different queues and dynamic workers.

Certifications

2016   CISCO CCNA 1,2 CCENT

Language Skill

Native Language   Portuguese

Second Language   English - Proficient speaking, writing and understanding