

# Miguel Rodrigues

SENIOR SOFTWARE ENGINEER

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*"A jack of all trades is a master of none, but oftentimes better than a master of one"*

## Education

### ISEP (Higher Institute of Engineering of Porto)

B.S. IN COMPUTER SCIENCE AND ENGINEERING

Porto, Portugal

2015 - 2018

### ATEC Training Academy

SPECIALIST IN NETWORK AND INFORMATION SYSTEMS MANAGEMENT

Porto, Portugal

2015 - 2018

- Cisco network specialist CCNA 1
- Cisco network specialist CCNA 2
- Cisco network specialist CCENT

## Skills

**DevOps** AWS, Docker, Kubernetes, Rancher, Vagrant, Packer, Terraform, Jenkins, CircleCI

**Back-end** Koa, Express, Django, REST API

**Front-end** Hugo, Redux, React, HTML5, LESS, SASS

**Programming** Node.js, Python, JAVA, OCaml, LaTeX

**Languages** Korean, English, Japanese

## Experience

### Axonius Inc.

SENIOR SOFTWARE ENGINEER

Remote

May 2022 - Current

- Was the first member of the Portuguese tech cluster.
- Focused on growing tech knowledge for the new team.
- Supported and created multiple adapters that allowed us to show security concerns and connections to the clients.
- **Tech Stack:** Python, Mongo, AWS.

### Farfetch LC.

SENIOR RESEARCH AND DEVELOPMENT ENGINEER

Remote

2021 - May, 2022

- The first member of the Research and Development team focused on investing in new tech solutions in areas like:
  - Virtual reality
  - Distributed computing (Blockchain and IPFS)
- Was a node operator of the Diem Consortium Blockchain (formerly called Libra by Facebook/Meta) alongside elements from Spotify, Uber, Shopify, and many.
- Created a POC for virtual reality that allows clients to see 3D digital assets on the phone apps
- Used Nvidia Geforce Now API and Google Stadia
- Started the Product Verity initiative project
  - Uses tags with random patterns to identify real luxury items. "Is this Gucci jacket really authentic? Let me take a photo of the unique pattern and check"
  - Then provides the real owner a unique digital certificate (an NFT on the blockchain) that identifies and validates the product.
  - The owner that way can resell or present their personal collection on a safe manner on the market
- **Tech Stack:** Dotnet, Typescript, Solidity/Rust (Ethereum blockchain programming language), Golang (infrastructure), gRPC (Nvidia Geforce Now API), Kafka, MSSQL, Cassandra, Docker, ArgoCD, Azure, OpenAPI, and Kubernetes.

## Farfetch LC.

Porto, Portugal

### SOFTWARE ENGINEER

2020 - 2021

- Architectural role in the arch cluster at Farfetch
- Created and managed multiple company-critical projects like:
  - The Globalization project that allows micro-services to handle multi-country requirements (location, time-zones, best delivery paths, and other metrics)
  - The Communication Hub, a highway for internal communications of all the micro-services based on Kafka, used in internal communications and external contact to clients via SMS/Email/Webhooks/Integration's and others
- Beta team for the new deployment system using Elm Chart and ArgoCd
- **Tech Stack:** Dotnet, Python, Kafka, MSSQL, Golang (infrastructure), Cassandra, Docker, Azure, ArgoCD, OpenAPI and Kubernetes.

## Critical Manufacturing

Maia, Portugal

### SOFTWARE ENGINEER

2018 - 2019

- Core team developer for the manufacturing execution system (MES) that manages complex production pipelines
- The product development team creates and manages the main framework for developing a highly flexible MES that adapts to different clients like:
  - Renault, BMW, IKEA, Braun, Philips, Johnson & Johnson, and many others
- Worked on the Migration Task Force responsible for migrating the legacy system, for a more robust and modern alternative
- **Tech Stack:** Dotnet, Angular, Typescript, MSSQL, Docker, Docker Swarm (moved to K8s) and Kubernetes.

## E-Goi

Matosinhos, Portugal

### SOFTWARE ENGINEER

2017 - 2018

- Developed and maintained of the E-Goi Marketing system.
- Provided mechanisms to allow communication using Push notification, SMS, Email, voice marketing, and many others.
- **Tech Stack:** Laravel, Postgres, Redis, Vue, Linux.

## E-Goi

Matosinhos, Portugal

### JUNIOR SOFTWARE ENGINEER

2016 - 2017

- Created the Sync2E-goi project that: Allows clients to integrate platforms to the E-goi marketing.
- Allowed Costumers to leave competitors like Mailchimp and migrate to the company Uses external systems like Zappier to improve the current E-Goi platform with minimal configuration
- **Tech Stack:** Laravel, Postgres, Redis, Vue, Linux.