

Cláudio Gonçalves

<https://github.com/cfsgoncalves>

<https://cfsgoncalves.github.io>

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EDUCATION

- **University of Minho** Guimarães, PT
Integrated Master in Engineering and Management of Information Systems (One pending course) 2014 – 2020

EXPERIENCE

- **Junior Software Developer @ Codavel**
May 2020 - July 2021
 - **[INFRA] Architecture Support:** Working with AWS infrastructure using remote machines and cloud containers. Knowledge regarding Route 53, DNS configuration and AWS Lambda functions.
 - **[SWE] Software Engineering:** Execution of multiple projects that ran with concurrent users. The projects were developed in *C++*, *Python* and *Java*. On the other hand, some mobile project were built using languages like *Golang* and *Swift*.
 - **[NET] Network Observability:** Usage of *Kibana* to create dashboards that were used to monitoring the network solution that was created.
 - **Notable Projects:** Spreadsheet data processing (using a json configuration and multiple CSV files to extract some knowledge using some dynamic filters).
- **Junior Backend Engineer @ Uphold**
July 2021 - September 2022
 - **[SWE] Software Engineering:** Working on the main product of the company, adding and maintaining functionalities to the wallet, using *NodeJS* and *GraphQL*. Regarding databases, was use *PostgreSQL* to manipulate databases, writing migrations to change database-schema and backfill-handlers to migrate user-data from a table to other without breaking production environment.
 - **[DOC] Documentation:** Developing documentation about the *Wallet* and processes that are used in the backend development like migrations.
 - **Notable Projects::** Maintaining and expanding the backend of the main product of the company. Currently we use a micro-service architecture deployed in Kubernetes.
- **Software Engineering @ Truphone**
September 2022 - Currently
 - **[SWE] SIMManager API:** Rewrite of the SIMManager from **Java to Golang**. Migration of the schema of database from MySQL to MariaDB. Creation of an API in Golang that with a MariaDB that didn't allow more than 30 open question could achieve in a load almost **200 requests per second**.
 - **[SWE] SIMManager Engine:** Adding features and maintaining a **rules-engine** that facilitate adding flows without needing new deployments each time a rule is added
 - **[SWE] SIMManager testing:** **Parallel** and sequential **testing** using **Grafana K6** automated testing tool.
 - **[SWE] Project Maintainer:** Maintained of a Golang/React.js project that is used to provide agreements information in some departments of the company.
 - **[INFRA] On-call rotation:** Responsible for on-call for multiple services that need certain restarts on memory cleanup. Also, respond to alarms on ActiveMQ due to the messages on the DLQ being stuck. Debug multiple distribute systems failure and respond to alarms

CORE SKILLS

- **Most used Languages:** Python Java SQL Bash Node.js MongoDB Golang
- **Technologies used:** Relational Databases Web Services (Rest/SOAP) Maven Machine Learning Git GraphQL GRPC AWS EC2 AWS ECS AWS EKS Containers (Docker and Docker-compose) K9s Kubernetes Grafana K6

LANGUAGES

- **Portuguese:** Native **English:** B2+