

# DANIEL PEREIRA

LISBON

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## PROFILE

Software engineer with 10 years of experience in planning, building, testing, deploying and maintenance of digital products. I'm an avid learner, with a passion for programming languages and software architecture. Currently working mostly on the cloud-native landscape and event-driven microservices.

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## WORK EXPERIENCE

### WIT SOFTWARE (*wit-software.com*)

- Internship as a Quality Assurance Engineer, mostly with Python 2010-11

### CRITICAL SOFTWARE (*criticalsoftware.com*)

#### ELEICOES.MAI.GOV (*eleicoes.mai.gov.pt*) 2011-13

National elections results portal

- Worked as Full-stack Engineer with Python and Prototype.js

### IMAGINARY CLOUD (*imaginarycloud.com*)

#### MUCHO/COOKIT (*getmucho.com*) 2013-14

Order-to-cook ingredients shopping with recipes and tutorials

- Worked as Backend Engineer (team of 2) in all the product development cycle, from designing to deploying and maintenance (Node.js, REST)
- Built the iOS app.

#### FLOWGEST 2014

Resource planning and business operations for small companies (MVP)

- Lead the research and documentation of a company new SPA default stack
- Solo Backend Engineer and Frontend Engineer in a team of 2 (Node.js, REST, React.js, Redux)

#### MOBIMAX (*mobimax.com*) 2014-16

Browser and mail client with cost-per-view estimation in South America pre-paid data plans

- Worked on the microservices architecture design and on the resource-cost estimation service (team of 2)
- Implemented the resource-cost caching mechanism (Node.js)
- Forked Firefox for Android for custom functionality and branding (Java)
- Forked K9 Mail for attachments cost estimation and branding (Java)
- Built a Firefox extension to capture and delay browsing events and fetch resource-cost estimations (Javascript)

## LINKEDCARE / JINGALIFE (*www.jinga.life*) 2016-18

Platform connecting doctors, patients, and caregivers

- Project rescue consisting of ~130 git repositories and zero documentation (Docker, Kubernetes)
- Contact point between the design and engineering team during the IOS app design process.
- Specified and built the REST API for the system (Rails) and the iOS app.

## IMT BIKE (*imtbike.com*) 2018

Bike rental back office

- Lead the rewrite (planning and implementation) of all the backend/business operation/admin systems from an 20 year old ASP codebase to Node.js (team of 2).
- Migrated the manual credit card payment system to Stripe

## TRUSTPORTAL (*trustportal.org*) 2018-19

Job builder for blueprism

- Implementation of a streaming architecture prototype (Go, Kafka)

## CONTRACTOR WORK

## CRED INVESTMENTS (*credinvestments.com*) 2019

Marketplace for talent and investors

- Lead the GraphQL API design and implementation
- Designed a new event-driven microservices architecture as a way to solve current MongoDB isolation problems during trading operations (Go and Kafka)

## ATHLANE (*athlane.com*) 2019-20

The Bloomberg for esports

- Lead Backend Architect
- Design and implementation of the data pipeline (Python, Go, and Kafka, DynamoDB)
- Implementation of data extraction mechanisms from Instagram, Twitch, Facebook and Twitter using both public APIs and scrapping (Go, Node)

## MARIONETE (*marionete.co.uk*)

## HSBC PAYMENT ORCHESTRATION LAYER 2020-21

Scalable Payment Orchestration Layer

- Lead Backend Engineer
- Lead the design and implementation of the core services (Go, Java, Kafka, gRPC, RocksDB, Kubernetes, OpenTelemetry)

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## PAST EXPERIENCE WORKING WITH

Node, Go, Python, Java, Swift, React, Apollo, Redux, TypeScript, Ramda, HTML, CSS, GraphQL, gRPC, REST, Relational Databases/SQL, Redis, MongoDB, DynamoDB, RocksDB, Kafka, OpenTelemetry, Event Driven Microservices, Stream Processing, Docker