

Quick learner with diverse experience of technologies and programming languages. Eager for problem solving from systems architecture to application development and lifecycle management. Strong background in mathematics. Always looking forward to collaborating with good ideas and people.

SKILLS

<i>good</i>	Scala, Java
<i>able to use</i>	Go, C#, C++, SQL, Bash, JavaScript, HTML, CSS, Kotlin, Python, Objective-C
<i>tools</i>	Git, Jenkins, Kubernetes, GCP, Splunk, Datadog, Grafana, Firebase
<i>concepts</i>	Data Structures, Algorithms, API-Driven, Event-Driven, Functional

EXPERIENCE

Dott.pt Porto Feb 2020 - Oct 2021
Marketplace financial services including payment, wallet, invoicing, merchant management and payouts using Scala, Lagom, Couchbase, PubSub, some Golang, and third-party integrations. Advocate of API-driven, event-driven and documentation.

Hold.io Porto Aug 2019 - Jan 2020
Microservices to provide user management, kyc verification, and crypto wallets using Spring Boot, Postgres, Kafka and third-party integrations. Design and implementation of off-chain asset staking.

PathwaysPuzzle.com Porto Sep 2018 - Jul 2019
Design and implementation of an original puzzle game for Android, iOS, and watchOS using C++, Objective-C, and Java. Iterative development and some online marketing.

HomeAway London Feb 2017 - Jun 2018
Backend applications in Scala that deliver multi-language marketing feeds to Google, Facebook and Criteo supported by Kafka, Cassandra, S3 and Spark. Observability setup and use of continuous deployment.

Net-A-Porter Group London Nov 2015 - Feb 2017
Development and maintenance of REST services and payment APIs using Spring and Hibernate. Design of an Elasticsearch index. API development prototypes: use functional programming in Java; and model-driven GraphQL.

Application in C# that compares and exports data between two environments. It used flexible and efficient data structures to accommodate a configurable data model, configurable behavior (through runtime reflection), and large amounts of data.

COURSES

- Big Data Analysis with Scala and Spark Coursera 2018
- Functional Programming Design in Scala Coursera 2017
- Functional Programming Principles in Scala Coursera 2016

EDUCATION

Master in Informatics and Computing Engineering 18 of 20 2010 - 2015

Faculty of Engineering of the University of Porto, Portugal

thesis Exploring the Scala Macro System for Compile Time Model-Based Generation of Statically Type-Safe REST Services

ACHIEVEMENTS

- Finalist of the 'Google Cloud Developer Challenge', Google, 2013.
- 'New Talents in Mathematics' fellowship, Calouste Gulbenkian Foundation, 2011.
- Merit fellowship, University of Porto, 2013 & 2015 (regarding 2010 & 2011).
- 'Prémio Incentivo' award, University of Porto, 2012 (regarding 2010).
- 'Prémio de Valor' award, Oliveira Júnior Basic and Secondary School, 2010.
- 4th at the Portuguese 'F1 in Schools' Final, Porto, 2010.
- Winner at the 'MAT12' competition, University of Aveiro, 2008 & 2009.
- Bronze Medal at the 25th Portuguese Mathematical Olympiad, Lisbon, 2007.

updated on November 6, 2021