

João Tiago de Jesus Elias Ferreira

Software Engineer

jtjefferreira@gmail.com | jtjefferreira | jtjefferreira | joaotiagoferreira

Currently

I'm a software developer and team leader at e.near, working with Scala and related technologies. My current interests are distributed systems and statically typed programming languages.

Experience

Team leader 2016

Moviepass Development of all backend services and integrations for Moviepass, a movie theater subscription service. Used technologies include Scala, Play, PostgreSQL, Redis, Docker, Heroku, AWS

Team leader 2015

Sphonic Design and development of several projects related to "Know your customer" and fraud detection. Used technologies include Scala, Spray, Akka, Cassandra, Kafka, Elasticsearch, Docker, Google Cloud, AWS

Senior developer 2014

Instafin Design and development of SaaS microfinance system for Oradian. Used technologies include Scala, Play! Framework, Elasticsearch, and PostgreSQL

Senior consultant 2014

Victoria Seguros Design and development of a generic insurance simulator for Victoria Insurance company. Used technologies include Java and Javascript

Senior consultant 2012-2014

Banco de Portugal Design and development of a collaboration system that allows Legal Enforcement Department send, receive and analyze periodic reports and plan and manage inspective actions processes in supervised institutions. Used technologies include C#, ASP.net, Solr, Javascript, and Sharepoint

Junior consultant 2012

Abu Dhabi Media Company Development and maintenance of the news site www.thenational.ae. Used technologies include Java, Javascript, and OpenText WEM.

Junior consultant 2011

Caixa Geral de Depósitos Development of a new web portal for managing contracts related with the installation of credit card payment terminals. Technologies used include ASP.net, WCF Services, and Sharepoint

Junior consultant 2009-2011

Celfocus Development of an Order Management Framework for the Telco industry. Technologies used include: Java, JMS, Spring and Integration platforms (Tibco and webMethods)

Employment

2014-

e.near senior software engineer and team leader

2011-2014

VILT software engineer

2009-2011

Celfocus/Novabase software engineer

2009-2009

INESC-ID researcher

Education

2007-09

Instituto Superior Técnico, (Portugal) Master in Information Systems and Computer Engineering

2004-07

Instituto Superior Técnico, (Portugal) Degree in Information Systems and Computer Engineering

Training

2013

Coursera Functional Programming Principles in Scala

2012

MongoDB MongoDB for Developers

Presentations

2015

ENEI Workshop "A Scala Introduction"

2015

SINFO 23 Workshop "A Scala Introduction"

2015

Scala Portugal Meetup & Java User Group Introduction to the Play Framework

Publications

2012

Ferreira, J., Leitão, J. and Rodrigues, L. A-OSGi: a framework to support the construction of autonomic OSGi-based applications. International Journal of Autonomous and Adaptive Communications Systems, 5(3), pp.292-310.

Technical skills

Scala

Scala
Akka
Spray

Play
Slick
Shapeless

Scalaz
Cats
Kamon

Java

Java J2EE
GWT

Spring Framework

Hibernate

Javascript

Jquery

MVC and SPA Frameworks

HTML and CSS

Databases

SQL (PostgreSQL/SQL
Server/Oracle)

Elasticsearch
Cassandra

MongoDB

Cloud

AWS EC2
AWS RDS
AWS S3

Google Cloud Compute Engine
Google BigQuery
Google Dataflow

Google Pub/Sub

Other

Docker

CI tools (Jenkins, Drone)

vagrant

Scneme, Haskell