

João Tiago de Jesus Elias Ferreira

Software Engineer

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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 | 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

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| 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

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| 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

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|------|--|
| 2013 | Coursera Functional Programming Principles in Scala |
| 2012 | MongoDB MongoDB for Developers |

Presentations

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| 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

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| 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. |
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Technical skills

Scala

Scala
Akka
Spray
Play
Slick
Shapeless
Scalaz
Cats
Kamon

Java

Java J2EE
Spring Framework
Hibernate
GWT

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
Vagrant
CI tools (Jenkins, Drone)
Scheme, Haskell