





Badaioz

Software architect/Data Engineer

project to NCOI (NCOI Opleidingen,

knows about them.

I participate in the design and development of a

@NCOlopleidingen), designing and developing a

scalable microservices architecture to be able to perform Extract Transform and load data from

external normalized databases. These data are used

by a referral system so that college students get the best possible referral based on what the college

differents sources using json, csv, txt files and

The idea is to design a scalable distributed

architecture of data consumption following the CQRS pattern, Command Query Responsibility

Segregation, so that following this pattern, I can segregate the writes and readings in a distributed system so that the writes go to a cluster of data

independent of the other cluster of data readings.

Together with the use and implementation of an architecture based on microservices dockerized and

managed with Mesos following the Orchestrator

pattern to manage the distributed transactionality

(machine learning), my colleagues and me built this

recommendations to the students of the university. I was in charge of designing and implementing the

distributed architecture and my fellow data scientists

in the selection of deep learning algorithms and implementation of the different phases for

I am using java, spring-boot, spring-cloud technologies like Eureka, Ribbon, Feign, docker,

mesos, kafka,and a distributed postgresql port

In my free time i developed some open source

using kafka as an event engine, mongodb as a

https://github.com/alonsoir/awesome-

recommendation-engine

elastic-search and docker.

appeared with the jdk8.

and the code.

Big Data engineer

to fall, Basilea 4.

projects, at the same time i was hired by Stratio.

An scalable event-oriented recommendation engines based on apache spark deep learning algorithms,

persistence engine, written in scala and published in GitHub. I started a time ago, with the advice of my

fellow data scientist from Stratio, I've given it a few

A proof of concept designed to detect and classify

https://github.com/alonsoir/demoFaceRecognition

architecture in order to periodically interrogate the bitcoin quote and make it available for multiple

outside requests. I used java, spring-boot, kafka,

https://github.com/alonsoir/demo-kafka-elastic https://github.com/alonsoir/demo-quartz

with the functional style of the api stream that

Https://github.com/alonsoir/KafkaStreaming.

I have participated in the development and

The idea is to process multiple sources of

integration of a lambda architecture created for

Banco Santander in order to apply a solution imposed by the central banks to these systemic banks too big

unstructured data To finally arrive at a calculation of

intake in avro format in the landing zone of the data

parquet, which would then be exploited in the form

of Hive tables in the integration with the company

architecture, enrichment engines, user view creation

engines that are also used for a Last phase where we

The technologies used are scala as first language, some of java, hadoop, cloudera, spark, kafka, flume,

My concrete participation in this project was to create a utility to create files parquets, validation,

qualitatively the architecture delivered, In other words, a method to check that the software is correct, doing the calculations correctly, applying mechanisms designed by the bank, using scala.

I develop too the part of api responsible for making necessary currency conversion, since the solution delivered is designed to be executed generically for all delegations of the Santander bank in the world,

Finally I was also in charge of integrating the software in the place of exploitation chosen by the Bank.

I have been studying and doing various training

courses, like learning scala more seriously with BigDataUniversity, machine learning with Professor

architectures using a formacionhadoop.com course. As a result of that training I have written a couple of projects hosted on github to treat tweets in near real time using apache kafka, apache spark and some nosql databases like mongodb and Cassandra and another project about how to implement machine learning algorithms (ALS) for a recommendation engine. This project uses Apache hadoop and Apache Kafka and apache Spark, both projects are developed

https://github.com/alonsoir/hello-kafka-twitter-scala https://github.com/alonsoir/cassandra-spark-twitter-

https://github.com/alonsoir/awesome-

My task is to design big data architectures for

I have participated in the initial proposal for Santander and OpenBank developing a book for them, and another proposal for a local newspaper, La Vanguardia, as well as maintaining the training cluster

BigDataUniversity.com in my free time.

A BigData project related to the field of

each of the layers of the tree.

Big Data Engineer

by google maps.

mongodb.

MVC.

Partner and CTO

openxava framework.

CEO/CTO

Software Engineer

I started my own tech blog,

The related technologies are Java7, apache

maven, postgresql and GNU/ linux.

datos.gob.es and Facebook data.

spark, Apache Camel, Apache Impala, Hadoop, Spark,

I have developed a some proofs of concepts related

Another project related with how to get real time data on a web broser using web sockets, spring integration, rabbitmq with stomp support, html5 and jquery. The purpose of this proof of concept is to know where are the different buses of Dublin city, so that every person can see the bus in a map provided

I made another project, with mongodb, spring mvc, rabbitmq broker message with stomp support and a bit of html5, jquery and css3. The purpose of this project is to save different events provided by a user.

aironman2k.wordpress.com and i started to learn Apache Spark, with cloudera, how to use it with other technologies like apache kafka, apache flume,

I did some courses from BigDataUniversity.com.

I developed the core of a set of restfull web services for a whatsapp type service, also i had to develop a

couple of Controllers using iOS and XCODE. The technology was a mix of j2ee 1.7, spring*, hibernate and bouncy castle for the java core and objetive C

implementation of the command pattern over a set of RESTFUL web services implemented with spring

The service is deployed and ready to use for the

pagename=HospitalNinoJesus/Page/HNIJ_home

I developed a project for industrialize the process of creating demand on payment arrears with delinquent

tenants of a neighboring community or rural. I used

I built an IOS5 based application that makes heavy

use of geo-location and consumption of Web services. After I finished developing the application, I decided to create a complete solution that allows businesses to buy products at a physical store using the smartphone's camera to read barcodes and Web services on the server. On the server side, the technologies used on the implementation were apache CXF RESTful web services, JSON and / or XML as a mechanism for exchange of information, HashMaps competing for a cache in which to save the customer information, items to sale and the accounting entries from the sale of items, - a thread engine to launch the consultation request and / or updates on the map, hibernate as a persistence and MYSQL as an engine for data persistence. I have pending to upgrade the system with a NON SQL

connector like spring-data project.

I implemented operational functionality, such as Research Records, Dispatch management legal advice

The technology used is Spring MVC, ajax, hibernate, Rational, Websphere 7, jquery, prototype, WAS7, jdk1.6, Clear CaseNovember 2010 March 2011The client was the Ministry of Justice, Government of Spain and the task was to develop the electronic apostille. I used a framework based at the ministry's own Spring MVC, Spring WebFlow, hibernate, ajax

My job was to tune and customize Alfresco Comunity

Edition in a production environment so that the client could store their web pages, could autodeploy if system crash. This feature does not have the

community version and asked me to devise a solution

The solution was a mixture of bash shell scripts, Cron and modification from sources project from Alfresco.

My job was to design and implement a range of business services related to how quality

management is performed at their factories. The project involved drafting a quality report indicating weak points and strong points of the architecture. Technology used - Spring framework, namely SpringJDBC for the persistence layer, j2ee services

I also designed and implemented a concurrent and distributed cache adapted to customer needs, based on the use of ConcurrentHashMap class, threads iterating over this cache and implentacion Sun's Java Message Services to let persistency over the data. (To perform the quality and performance report I relied on the use of the tools Google Page Speed and

A project for the Department of Health and

would meet the needs of all stakeholders in

I performed the installation and configuration of

I conducted safety audits of electronic banking

Telematic project for a Wage Warranty Fund.

and stamp. FNMT http://www.fnmt.es/

Collaborate on product integration functionality by adding a series of web services that provide

electronic signature with national manufactures coin

Technology consultant, research and development,

Project e-marketplace Telefonica R & D. In this project I work as a consultant, especially much R & D to design and implement an SOA architecture based

on Java, learned to handle the java api and Websphere Service Registry (WSRR) from IBM, as well as its management interface, web services Java, mixed with different access databases, in addition to better knowledge of English because I had to work

closely with IBM consultants foreigners.

Implementation of several J2EE-based SOA

of the yellow pages and white pages.

R & D / Enhancements and features.

architectures for use in a new version of the website

Builder project / Implementation of maintenance of proprietary architecture based on AndroMDA technology http://galaxy.andromda.org/ In this project I work on technical design and implementation of a number of cases of end user applications for AVIVA, asurance business

"http://www.aviva.es/es/corporativa/"http://www.avi

Indra software labs, Badajoz, Badajoz, Spain.

REE-ARAP Project (Spanish Electricity Network)

Users Maintenance DIRA integrated proprietary

Indra software labs, Badajoz, Badajoz, Spain.

Develop with Indra a solution for banking and

insurance could communicate with each other. Intensive use of web services and caching resources with a good class design using patterns like singleton, single sign on, facade, aggregation, data access object

Indra software labs, Badajoz, Badajoz, Spain.

R & D in Java Server Faces, Java Studio Creator 2, we

made a port of a use case VFINCA a JSF project.

VFINCA Project, Securities and investment funds.

IB Training Project: System user multi user

Project ST-CAT (Work System for Territorial

Technologies: Java/J2EE, JSP, JDBC, Servlets, JavaBeans, EJB, XML, XSL, Eclipse, WSAD, UML,

national network of Mapfre Mutual. Development and design tco.

Architecture mapfre version 2.

Software Engineer Developer

centers throughout Spain.

{ACK}

POLYTECHNIC SCHOOL Ingenieria técnica informática de siste

Finished

hours),

Carlos Renteria,

hours),

finished yet.

Finished

the databases and generate a q19.

Maintenance and expansion of the website

with php, html, css, javascript and mysql.

Multi-entity for the management and treatment of collections at offices and workplaces across the

Development of a range of applications in visual basic 6 with their design of databases on Access2k: a complete application for inventory control and another to consult on the set of distance learning

Application Development in Visual c + +. The first data to insert that came home in q19 format and insert them into a DB in Access 2k and other MySQL DB. The other application was to extract data from

"http://www.area10.es/" www.area10.es, developed

Masters Java/J2EE-Oracle-XML (352 hours)

 Web Services Programming Course (94 hours), IOS 5 course (90 hours), PHP, JAVASCRIPT, HTML (750

• Introduction to MapReduce Programming, with

• Hadoop Fundamentals 1 - Version 2 with Keith McDonald, Akmal B. Chaudhri, Bradley Steinfeld,

• BigDataUniversity.com ((40 hours)), Stream Computing 1, with Martin Siegenthaler, Robert

 Machine Learning Course, from Andrew Ng, Stanford College, Coursera.org (480 hours) Not

• Master Big Data Expert, from Fernando Agudo Tarancon, formacionhadoop.com (150 hours)

SPRING FRAMEWORK

APPLICATION SERVERS

JUNIT TESTING

JAVASCRIPT

BIG DATA

KAFKA

MAVEN

JENKINS

JPROBE

SCALA

SCIENCES, VIDEOGAMES, READING SCI-FI, GRAPHIC NOVELS,

BASH SCRIPTING

CASSANDRA

DEEPLEARNING

CONCURRENT PROGRAMMING

APACHE SOFTWARE PROJECTS

text and code reviewer of a book on Kafka Stream

I reviewed the code and text of some chapters on how to stream with Kafka, Flink, Spark Streaming, as well as KafkaStreams, I added notes, improved the text, fixed the source code among other tasks. Very

for Packt Publishing. Pending release.

instructive task. I loved it, really.

• BigDataUniversity.com. (40 hours), Introduction to Scala, with Jamie Allen, BigDataUniversity.com (40

Uleman, Anjali Agarwal, Rachit Arora,

• Specialized Coursework Advanced Java Programming Course (42 hours,

Glen Mules and Warren Pettit, BigDataUniversity.com (40 hours),

http://www.ibermutuamur.es/ medical assurance.

software that is being implemented in the savings banks, using JMeter and JProbe to detect memory leak problems as well as performance issues

about 80 machines with their OS and office suites, as

dependence to define a development framework that

development teams. The project took off as mades, is based on a framework of the Junta de Andalucia. http://www.juntadeandalucia.es/xwiki/bin/view/MA

that have injected the damages.

and use of caches, specifically EHCache.

Software engineer

Software engineer

that would allow.

Software Engineer

Software engineer

Systems Engineer

Software Engineer

Software Engineer

Software Engineer

Software engineer.

Software engineer

HYPERLINK

va.es/es/corporativa/

Software engineer

Developer, testing.

http://www.ree.es/

Software Engineer

http://www.amaef.es/

Software Engineer

Software Engineer

Software Engineer

Analyst, Developer.

Software Engineer

Programmer Analyst Jr

Administrative Centres).

And Ibermutua customers.

management

Data base admin, J2EE coder.

system.

Consultant, Developer, R&D.

www.paginasamarillas.es

Developer, R&D and testing.

testing, technical leadership.

ALTEN/TELEFÓNICA

ALTEN/YELL SPAIN

INDRA/AVIVA

Nov 2006 - Jul 2007

INDRA/RED ELÉCTRICA DE

Oct 2006 - Nov 2006

INDRA/AMAEF

Jun 2006 - Oct 2006

May 2006 - Jun 2006

Feb 2006 - May 2006

Oct 2005 - Jan 2006

SICONET/MAPFRE

Mar 2005 - Oct 2005

TELENIUM/IBERMUTUAM •

Badajoz

INDRA

INDRA

UR

Madrid

Madrid

AREA 10

Badajoz

Sep 2004 - Feb 2005

EDUCATION

OF CÁCERES

2004

SKILLS

HIBERNATE

JAVA

HTML

SQL

GIT

SPARK

HADOOP

CLOUDERA

IOS CODING

HUDSON

JMETER

SELENIUM

GNU/LINUX

HOBBIES

UNTITLED

Oct 2019 - Jan 2020

Badajoz

PYTHON

AKKA

FLINK

Cáceres, Spain

Badajoz

Badajoz

Badajoz

ESPAÑA

Badajoz

Aug 2007 - Aug 2008

May 2008 - Nov 2008

Madrid

well as individual configuration.

DEJA/

and Xcode for the iOS app. The core is an

Hospital Niño Jesus from Madrid http://www.madrid.org/cs/Satellite?

with map reduce task with the data provided by

different clients of Telefónica and synergic partners

The cluster is handled with Cloudera Manager. I am learning scala and big data programming skills with

telecommunications. The final goal of the project is to show on a map the incidents in real time based on telecommunications optical fiber of a big city. I design a tool similar to Flume for doing ETL tasks from different locations and source files, a tool similar to SQOOP for doing ETL from different SQL engines, and a tool designed to manage the orderly and coordinated invocation of the different components of the architecture, in which there are phases in which Apache Spark is used to calculate the noise in

Andrew Ng and Apache Spark and hadoop

works spark to validate quantitatively and

correction in case of error, parts of the api, as a set of

that is responsible for the exploitation of

finally create an excel file.

shell scripts.

sixteen today.

Big Data Engineer

using the Scala language.

recommendation-engine

we have in the company.

Big Data Engineer

Big Data Architect

lake, then we have a series of engines in charge of the consolidation of the avro files in other format,

the credit risk of the bank Santander. For this we

need the use of a series of components, such as Apache Flume and Apacha Kafka for the raw data

Also I have been working during the end of the year on a project to try to find out the numbers of the

euromillions and the primitive, with little success but very useful because it has allowed me to practice

I have participated in the review of a book on Kafka-

Streams of the Pack Publishing house, both the text

variable stars in stellar images taken by radio telescopes. This type of stars allows you to create a

map to create routes in interstellar space.

I have also been researching the use of api deeplearning4j for facial recognition.

A scalable orchestration-based microservice

https://github.com/alonsoir/demo-dl4i

architecture to give the best possible

classification.

develop by Stratio.

tweaks.

Reasearch and development

inherent to each of the microservices together with a series of steps based on classification algorithms

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