

André Henrique Serafim Casimiro

Brazilian, 32, Married



R. João Gross, 201 - BL 1- APT 92
São Bernardo do Campo, São Paulo, 09725-040
T: (11) 9 9944-6495
E: ah.casimiro@gmail.com
github: <https://github.com/acasimiro>

Please, make sure you don't miss what's highlighted below 😊

Objective

Head of Data Engineering

Summary

Personal Summary

- Challenge motivated
- Creative problem solver
- Self-learner
- Super team-player
- Easy going leadership style
- Highly technical manager

Background Summary

- Undergraduate in Computer Science
- MSc in Data Science applied to Digital Advertising Systems
- 12 years of experience in total
- 4 year background in web development
- 8 year experience with data engineering and correlated areas
- 5 year experience leading data teams

Experience

BairesDev

(largest remote Latam outsource company)

Head of Data Engineering

Jul. 2021 - Jun 2022 (1 yr)

Achievements:

- Built a world-class data platform
- Delivered prospect master data for 300M+ records

Responsibilities:


- Define data engineering strategy
- Build and hire the team
- Technical leadership

Org Size: from 10 to 35 people

Technologies: Databricks, Snowflake, Astronomer, Atlan, Dbt, Great Expectations, Tableau, Kafka, AWS



1st international
experience



1st experience as
Manager and as Head

Creditas (unicorn Latam fintech)

Started as Technical Leader, then Coordinator, then Manager/Head.

Data Engineering Manager at Creditas

Aug. 2018 - Jul. 2021 (3 yr)

Achievements:

- Scaled data engineering area to multiple teams as the company exponentially grew
- Delivered data lake infrastructure
- Delivered machine learning platform
- Delivered multiple analytical datasets
- Delivered self-service event platform

Responsibilities:

- Define strategy for data engineering area
- Strong technical collaboration on design and conception of data lake, data platform and machine learning platform
- Build and hire the team
- Create and evolve both internal and external processes
- 1:1s with team members and other leaders
- Coach and train new leaderships

Org size: *from 5 to 30 people*

Technologies: *Redshift, DMS, Python, Airflow, Kafka, AVRO, Docker, MLFlow, AWS*



Parallel job as
Big Data Professor

Big Data MBA Professor at FIAP

Sep. 2017 - Sep. 2018 (1 yr)

Taught classes on Massive Parallel Programming, Data Ingestion and NoSQL Databases.

Itaú (largest Brazilian bank)

Software/Data Engineer at Itaú

Aug. 2016 - Jun. 2018 (2yrs)

- Massive data offload (TBs) from mainframe to reduce costs (mips)
- Built big data solution to serve customer data
- Performance testing
- Technical leadership and peer development
- Built continuous deployment pipeline

Technologies: *Cassandra, Kafka, Java, Spring Boot, NodeJS, Puppet, Gradle, Jenkins, Jenkinsfile, Artifactory*



Played the role of a data scientist for 1 project

UOL - Universo Online (largest Brazilian web portal)

Data Engineer at UOL

Dec. 2015 - Aug. 2016 (9 mos)

Built data infrastructure and processing system for real time bidding application, **playing roles both as data engineer and data scientist**. Solving three main problems: store data for auditing, big data analytics reports for ad campaigns and machine learning bidder intelligence.

- **Installing and managing full hadoop cluster**
- Log aggregation application using spark streaming
- Streaming large event log through kafka cluster (20k events/sec)
- **Cracked the math** from academic paper to apply it on bidder intelligence

Technologies: *Cloudera Manager, Kafka, Spark, Spark Streaming, Flume, Hue, Hive, Zookeeper, Amazon AWS.*

Data Engineer/Analyst at UOL

Fev. 2015 - Dec, 2015 (11 mos)

Developed several data projects on digital advertising and related areas:

- Hadoop cluster setup and management
- Online experiments (A/B tests)
- Data collection, analysis and reporting
- User behavior trends analysis
- Dashboards for KPI tracking
- **Modeled user-tracking data collect structure for web analytics**
- Look-alike ad campaign serving using IR token match
- Collaborative filtering recommender for advertising campaigns
- **Published article on ad ranking (in conjunction with masters thesis)**

Technologies: *Hadoop, Flume, Cloudera Impala, HIVE, Oozie, Omniture (Adobe Analytics), Highcharts.js, SQL, ETL, Cassandra, splunk, Solr, Python, Fabric.*

Systems Analyst at UOL

Nov. 2013 - Jan. 2015 (2 yrs 10 mo)

Worked with different advertising systems, **developing both front and back-end.**

- Javascript development
- Java development
- Systems integration

Technologies: *Java, Javascript, TDD, Junit, Cucumber, Facebook API, Hadoop, Omniture (Adobe Analytics), Excel.*



1st experience with data engineering

Database Analyst, REDS III (reds-iii.rti.org)

Mar. 2013 - Oct. 2013

Data management and processing for blood donation research:

- Advanced SQL query support for data mining
- Dataset integration
- Pentaho OLAP system implantation
- ETL development

Technologies: *SQL, Pentaho suite, SQL Server 2000, Python.*

Full-stack Python Web Developer, IT3S (maps.mootiro.org)

Feb. 2011 - Feb. 2013 (2 yrs 1 mo)

IT3S was a 3rd sector tech startup working on collaborative mapping.

- Developed web applications using several technologies of Python stack
- Product features design and development
- Conception and development of data import platform
- Unified login
- Automated web application deploy

Technologies: *Django, Flask, Backbone, RequireJS, Coffeescript, Less, Google {OAuth, Maps, Drive, Spreadsheet, Fusion Tables} API, Facebook API.*



Early career focused on web development



PHP Dev Intern, DRCLAS - Harvard University (drclas.harvard.edu)

Feb. 2009 - Jan. 2011 (2 yrs)

- Internal CRM system development (PHP & MySQL)
- Visual data import system development
- Travelled to Chile to train team on using the CRM
- Enhanced English conversation skills

Technologies: *PHP, MySQL, Linux, MS Office*

Languages

Portuguese

Native proficiency

English

Fluent

Education

Universidade de São Paulo (IME-USP)

Master's degree, Computer Science

Mar. 2013 - Jun. 2016

Studied data science and machine learning applied to digital advertising. Delivered a study on how to enhance results for ad recommendation in contextual advertisement systems.

Built a , applying machine learning to

Best paper award on SBBD'14 (www.inf.ufpr.br/sbbd-sbcs2014/sbbd/premiacao.htm)

Universidade de São Paulo (IME-USP)

Bachelor's of Computer Science

2008 - 2012

Publications

Principais componentes na ordenação de anúncios: um experimento em ambiente real de publicidade computacional

Brazilian Symposium on Databases

Oct. 2014

Courses

Learn DBT from scratch

May. 2022

Software Zen, a arte da gestão de Software

Jun. 2020

Symposium SWS'2012

Oct. 2012

NOSQL Database minicourse

Oct. 2012

Machine Learning Online Course - Coursera

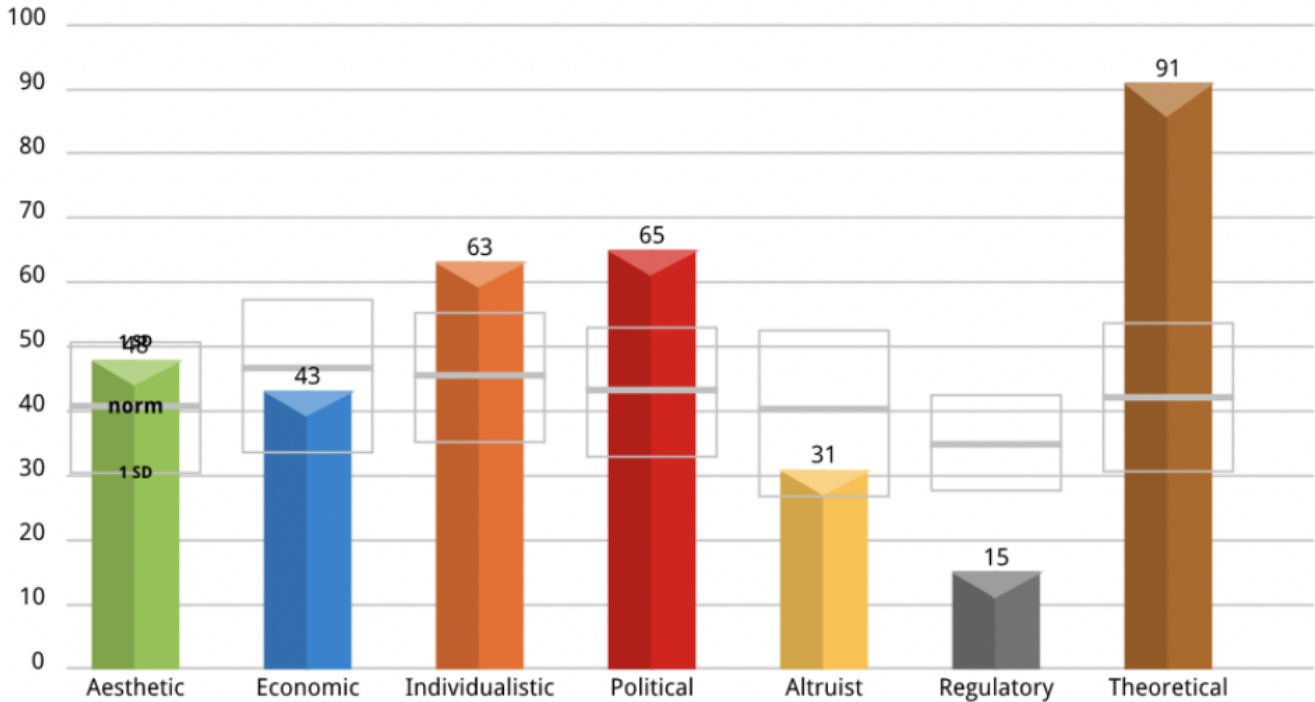
Julho, 2012

NLP minicourse

Aug. 2009



Executive Summary of André's Values



André Casimiro

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|------------------------------|--|
| Average Aesthetic | You are able to appreciate the benefit for balance and harmony without losing sight of the practical side of things. |
| Average Economic | You are able to perceive and create a balance between the need for economic return and other needs as well. |
| High Individualistic | You have no problem standing up for your own rights and may impart this energy into others as well. |
| High Political | You are able to accept the credit or take the blame with a 'the buck stops here' attitude. |
| Average Altruist | You are concerned for others without giving everything away; a stabilizer. |
| Very Low Regulatory | You are an independent and autonomous agent, very flexible problem-solver, and able to craft a variety of solutions. |
| Very High Theoretical | You are passionate about learning for its own sake. You are continually in learning mode and bringing a very high degree of technical or knowledge base credibility. |