

# José R F Junior

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Data Scientist - Big Data Engineer



## EXPERIENCE

### GooGolPlex, Santiago, Chile — *Data Scientist — Big Data Engineer*

Jan 2017 - Present

Project: *Planck*  [\$h=6,6260664 \times 10^{-34}\$](#)

✓ Remote protocol call gRPC - Python

Project: *Feigenbaum*  [\$\delta = 4.66\$](#)

✓ Parallel programs on JVM and Scala.

Project:  [\$\Phi = 1.61\$](#)

✓ Trend, Cycle, Seasonality, Random

✓ Neural Networks, TensorFlow, Keras.

✓ Forecast

Project: [Edwin Smith](#)

Bayesian Predictive System for Detection of Breast Cancer.

Pneumonia Symptoms and Diagnosis

✓ Neural Networks, TensorFlow, Keras, PyTorch.

Project: [Edsger Dijkstra](#)

Graph Analytics for Big Data, Neural Networks and Deep Learning, TensorFlow for Artificial Intelligence, Machine Learning, and Deep Learning, Big Data HDFS, MapReduce and Spark RDD, Big Data Analysis: Hive, Spark SQL, DataFrames and GraphFrames.

Big Data Applications: Machine Learning at Scale, Big Data Applications: Real-Time Streaming, Big Data Modeling and Management Systems, Big Data with Machine Learning, Focuses on the transfer of data to GCP ( Cloud VPC ). Migrating local infrastructure from Hadoop to Google Cloud Platform provides an overview of the migration process, with the focus on moving large and persistent clusters to an ephemeral model. Migrate data from HBase to Cloud Bigtable. Migrate data from HDFS local to Google Cloud Platform.

## **Zaal Information Technology, Santiago, Chile — Senior Java Architect**

Feb 2018

Work on Medium, Large Projects to ensure proper design and architectural principles are being followed. Work closely with business teams and IT teams to translate user's requirements into technical solutions. Prioritize requirements and create conceptual prototypes. Work on technology evaluations for the team. Propose any new technology that fits into the current architecture and provides value. Work with the team to define the best technological practices to support the business initiatives.

## **AMcom**

Dates Employed Jul 2018 – Dec 2018

Senior Software Development Engineer

## **Veolia France**

Dates Employed Aug 2018 – Nov 2018

Software Developer

## **BFM**

Dates Employed Jun 2017 – Jan 2018

Analysis, Modeling and Development of Web Applications

## **Ceará State Health Secretariat – SESA**

Dates Employed Jan 2013 – Dec 2017

Analysis, Modeling and Development of Web Applications – Android (Integrated System of Organ Donation). Analysis, Modeling and Development of Java Applications (Sistema GERCORREIO). Analysis, modeling and development of web applications using JSF, JPA, Spring, Spring Security, Hibernate, Envers, Primefaces, JasperReport, Tomcat, GlassFish, Maven, JUnit, JQuery, Oracle and PostgreSQL. Development and implementation of biometric system maintenance. (BIOMETRY) Maintenance of systems in PHP (Gnuteca, Ocomon and endemic control system – pMapper). Customization and implementation of the Maker Maker (shell) system. Analysis and development of web applications with JSF, JPA, Spring, Spring Security, Hibernate, Envers, Primefaces, JasperReport, Tomcat, GlassFish, Maven, JUnit, JQuery, Oracle and PostgreSQL. Analysis and Development of web applications using the Wave Creator (internal demands – SDI) of the system.

## **Detran – Departamento Estadual de Trânsito**

Dates Employed Mar 2015 – Dec 2015

Analysis, Modeling and Development of Web Applications

## **Núcleo de Tecnologia Industrial do Ceará**

Dates Employed Mar 2012 – Nov 2013

Analysis, Modeling and Development of Web Applications

## **BRQ Digital Solutions**

Employed Dec 2011 – Oct 2012

Programmer Java

## **Hapvida Saúde**

Employed Mar 2011 – Jan 2012

Systems Analyst

## **NUTEC - Núcleo de Tecnologia Industrial do Ceará**

Employed Mar 2012 – Nov 2013

Analysis, Modeling and Development of Web Applications

## **BRQ Digital Solutions**

Employed Dec 2011 – Oct 2012

Java Developer

## **INSS**

Employed Jun 2008 – May 2011

Federal Public Server

Constituição Federal de 1988 (arts. 193 a 204);

Lei Orgânica da Seguridade Social (Lei nº 8.212/91);

Lei Orgânica de Benefícios Previdenciários (Lei nº 8.213/91);

Lei Complementar (Lei n. 108/2001);

Lei Complementar (Lei n. 109/2001);

Decreto - Regulamento da Previdência Social (Lei n. 3048/99)

## **M Brasil**

Employed Feb 2002 – Mar 2006

Systems Analyst.

## **Brazilian Army**

Dates Employed Jan 1999 – Jan 2001

Server Administrator Linux

## **MICROLINEA**

Dates Employed Apr 1997 – Jan 1999

VB / Clipper Programmer

## FORMATION

### UDACITY, Brasil — Nanodegree Machine Learning Engineer

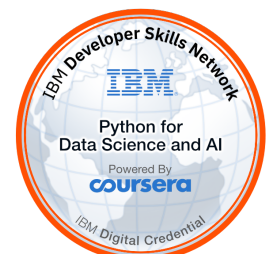
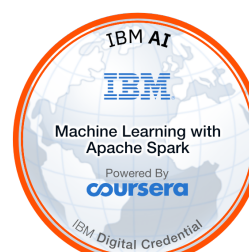
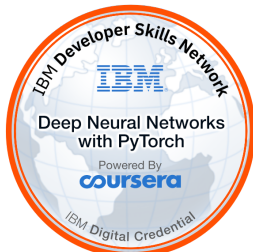
Dates attended or expected graduation 2017 – 2018

Activities and Societies: **Module 1:** Evaluation and Validation of Models **Module 2:** Supervised Learning **Module 3:** Non-Supervised Learning **Module 4:** Reinforcement Learning (Support Module) **Module 5:** Deep Learning (Support Module) Linear Regression • Logistic Classification • Convolutional Neural Networks • Recurrent Neural Networks – Time Series • Autoencoders – Reduction of dimensionality • Generative Neural Adversarial Networks – Automatic Image Generation Regression • Advertising expenses -> sales value • Temperature, humidity and air pressure -> wind speed • External factors -> dollar value • Examination results -> probability of a patient surviving • Investment risk • Credit card charges, history -> limit • Previous values -> product values ranking • Direct marketing • Customer dissatisfaction • Credit risk • SPAM Filters • Separation of news • Voice recognition • Face Recognition • Disease prediction Convolutional neural networks (CNN) • Used for computer vision • Standalone cars, pedestrian detection (one of the reasons deep learning works well) • In general, better than SVM (support vector machines)

### UNIR, Brasil — Full Degree Mathematics

Dates attended or expected graduation 2004 – 2008

Activities and Societies: GAME APPLICATIONS IN THE INITIAL SERIES OF BASIC EDUCATION TRANSFORMS WITH FOUR Presentation of the work to complete the evaluation Graduation course, under the direction of Professor Mrs. The Bachelor of Applied Mathematics and Computing.



## Licenses & Certifications



[Applied Machine Learning in Python](#)



[Understanding and Visualizing Data with Python](#)



[Machine Learning](#)



[Natural Language Processing in TensorFlow](#)



[AI for Medicine](#)



[AI for Medical Diagnosis](#)



[AI for Medical Prognosis](#)



[AI For Medical Treatment](#)



[Sequences, Time Series and Prediction](#)



[Neural Networks and Deep Learning](#)



[Mathematics for Machine Learning: Linear Algebra](#)



[Hadoop Platform and Application Framework](#)



[Yandex Big Data Analysis: Hive, Spark SQL, DataFrames and GraphFrames](#)



[IBM Deep Neural Networks with PyTorch](#)

[IBM Advanced Data Science](#)

[IBM Advanced Machine Learning and Signal Processing](#)

[IBM Advanced Data Science Capstone](#)

[IBM Applied AI with Deep Learning](#)

[IBM Microservices - Fundamentals](#)

[IBM Machine Learning with Python](#)

[IBM Scalable Machine Learning on Big Data using Apache Spark](#)

[IBM Fundamentals of Scalable Data Science](#)

[IBM Python for Data Science and AI](#)

[IBM Introduction to Computer Vision with Watson and OpenCV](#)



[Neo4j Certified Professional](#)

[Coursera Preparing for the Google Cloud Professional Architect Exam](#)



[Coursera Preparing for the Google Cloud Professional Data Engineer Exam](#)

[Coursera Preparing for the Google Cloud Associate Cloud Engineer Exam](#)

[Coursera Architecting with Google Kubernetes Engine: Production](#)

[Coursera Architecting with Google Kubernetes Engine: Workloads](#)

[Coursera Google Getting Started With Application Development](#)

[Coursera Google Architecting with Google Kubernetes Engine](#)

[Coursera Google Networking in Google Cloud Platform](#)

[Coursera Mitigating Security Vulnerabilities on Google Cloud Platform](#)

[Coursera Google Networking in GCP: Defining and Implementing Networks](#)

[Coursera Google Cloud Platform Fundamentals: Core Infrastructure](#)

[Coursera Google Networking in GCP: Hybrid Connectivity and Network Management](#)

[Coursera Google Managing Security in Google Cloud Platform](#)

[Coursera Google Reliable Cloud Infrastructure: Design and Process](#)

[Coursera Google Elastic Cloud Infrastructure: Scaling and Automation](#)

[Coursera Google Elastic Cloud Infrastructure: Containers and Services](#)

[Coursera Google Essential Cloud Infrastructure: Core Services](#)

[Coursera Google Essential Cloud Infrastructure: Foundation](#)

[Coursera Google Building Resilient Streaming Systems on Google Cloud Platform](#)

[Coursera Google Serverless Machine Learning with Tensorflow on Google Cloud Platform](#)

[Coursera Google Serverless Data Analysis with Google BigQuery and Cloud Dataflow](#)

[Coursera Google Leveraging Unstructured Data with Cloud Dataproc on Google Cloud Platform](#)

[Coursera Google Cloud Platform Big Data and Machine Learning Fundamentals](#)

[Coursera Google Art and Science of Machine Learning](#)

## [Coursera How Google does Machine Learning](#)



[Google Cloud Architect Certified Professional](#)

[Google Cloud Architecting Kubernetes Engine Certified Professional](#)

[Google Cloud Data Engineering Certified Professional](#)

[Google Cloud Engineering Certified Professional](#)

[Google Cloud Security Certified Professional](#)

[Google Cloud Developing Applications](#)

[Google Kubernetes in the Google Cloud](#)

[Google Google Cloud Build a Complete Database](#)

[Google BigQuery in the GCP Console](#)

[Google Cloud Hero Speedrun: Data Engineering](#)

[Google Cloud Security Scanner](#)

[Google Data Loss Prevention: Command Line](#)

[Google ETL Processing on GCP Using Dataflow and BigQuery](#)

[Google Ecommerce Dataset with SQL in Google BigQuery](#)

[Google G Suite Certification: Practice Lab](#)

[Google Google Chrome Deployment](#)

[Google Google Cloud Big Data Analysis](#)

[Google Google Cloud Data Machine Learning](#)

[Google Google Cloud Firebase Web](#)

[Google Google Cloud Platform Essentials](#)

[Google Google Cloud Pub/Sub: Command Line](#)

[Google Google Cloud Pub/Sub: Console](#)

[Google Cloud Pub/Sub: Console](#)

[Google Google Cloud Stackdriver](#)

[Google Google Cloud infrastructure](#)

[Google G Suite Deployment Services Credential](#)

[Google Predict Visitor Purchases with a Classification Model in BQML](#)

[Google Create Reports with Data Studio](#)

[Google SQL for BigQuery and Cloud SQL](#)

[Google Troubleshooting Common SQL Errors with BigQuery](#)





[AWS – Amazon DynamoDB Service Primer](#)

[AWS – Amazon Redshift Service Primer](#)

[AWS – Amazon Neptune Service Primer](#)

[AWS – Amazon RDS Service Primer](#)

[AWS – Certified Alexa Skill Builder – Specialty](#)



[Mongo University MongoDB – M103: Basic Cluster Administration](#)

[Mongo University MongoDB – M320: Data Modeling](#)

[Mongo University MongoDB – M220J: MongoDB for Java Developers](#)

[Mongo University MongoDB – M101P](#)

[Mongo University MongoDB – M040](#)

[Mongo University MongoDB – M1](#)

[Mongo University MongoDB – M121: The MongoDB Aggregation Framework](#)



[Udemy Learn Dart Web Programming](#)

[Udemy Google Remote Procedure Calls \( gRPC \)](#)

[Udemy API RESTful avançada com Spring Boot e Java 8](#)

[Unity Developer C#](#)

[Udemy TensorFlow for Deep Learning with Python](#)

[Udemy Formação Angular 2, 4 e 5](#)

[Udemy API Restful com Spring Boot, Kotlin e MongoDB](#)

[Udemy Amazon Web Services – Learning and Implementing AWS – Solution](#)

[Udemy Machine Learning A-Z™: Hands-On Python & R In Data Science](#)

[Udemy Redes de Computadores](#)

[Udemy Data Science](#)

[Udemy Construindo Aplicações Web Com o Novo Angular 4](#)

[Udemy Restful Web Service with Spring Boot](#)

[Udemy Curso Completo do Desenvolvedor NodeJS e MongoDB](#)

[Udemy Machine Learning e Data Science com Python](#)

[Udemy Git e Github](#)

[Udemy Curso completo de PostgreSQL](#)

[Udemy Angular \(Full App\) with Angular Material, Angularfire & NgRx](#)

[Udemy The Complete React Native and Redux Course](#)

## **QwikLabs**

[https://google.qwiklabs.com/public\\_profiles/45b9712b-f438-49b9-a02f-d5ef69d0fcfa](https://google.qwiklabs.com/public_profiles/45b9712b-f438-49b9-a02f-d5ef69d0fcfa)

## **IBM BADGE**

<https://www.youracclaim.com/users/jose-r-f-junior/badges>

## **Github**

<https://github.com/GCPBigData>