

Wanderson Ferreira

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Objectives

Build products that last the test of time.

Brief Summary

I have been working with software and/or algorithm development since 2010. I've been exposed to several industries such as supply chain, financial services, healthcare, gaming, and cyber security. The main programming stack have been Python, Golang, Scala, and mostly Clojure.

Education

2016–interrupted	Msc in Electrical Engineering, Universidade de São Paulo, Brazil. Thesis: Deep Learning: Inspecting Restricted Boltzmann Machines Supervisor: Dr. Prof. Emilio Del Moral Hernandez Concentration: Computer Science, Scientific Programming and Data Science.
2010–2015	Bachelor of Science in Geophysics, Universidade de São Paulo, Brazil Thesis: Global Optimization for AVO inversion in unconsolidated sediments. Supervisors: Dr. Liliana Diogo and Dr. Fred Hilterman (UH) Programming Languages: FORTRAN and MATLAB. Concentration: Scientific Programming
2014–2015	Exchange Program, Exploration Geophysics, University of Houston, US Thesis: Synthetic Seismogram modeling package in MATLAB Supervisor: Dr. Fred Hilterman Concentration: Scientific Programming

Open source projects

Emacs Lisp	Maintainer of code-review and helm-spotify-plus. Contributor to pomidor, organic-green, and many fixes in other projects
Clojure	Contributed to spec-tools and smaller contributions in other projects e.g. reitit, depstar, clara-rules.

More details on GitHub profile.

Professional Experience

2021–current	Senior Clojure Developer at Cisco - Remote <ul style="list-style-type: none">Designed and implemented several solutions to allow communication between Cisco security productsSince 2022 focused on the Identity Management ServiceMember of XDR (previous SecureX) core teamTech Stack: Clojure, PostgreSQL, Kafka, and AWS services.
2020–2021/Jul	Contractor Senior Clojure Developer - Remote <ul style="list-style-type: none">Prototyped a live stream app based on WebRTC at App Sauce. Product became HyperSignal.tvDeveloped real-time data pipelines for e-sport games at App Sauce (Clojure Design Podcast)Developed document custody solution for clinical trials at Reify HealthTech Stack: Clojure, PostgreSQL, Kafka, and AWS services.
2019–2020/Nov	Principal Software Engineer at Captalys <ul style="list-style-type: none">Expanded the rationale of the <i>Credit Platform</i> to other business unitsDesigned the architecture for services on Credit ManagementDesigned the architecture for services on Credit SecuritizationInfluenced the adoption of Scrum and moved a few new hires for Product positionsHelped new product implementationsDelivered significant team growth. From 5 to 50 developers in 15 months.Tech Stack: Clojure, Python, Kubernetes, PostgreSQL, and AWS services.
2017/Dec–2019/Jan	Lead Software Engineer at Captalys <ul style="list-style-type: none">Got eligible for the Partnership program of the companyFounded and lead a Tech team to build a Credit PlatformDeveloped public APIs to enable partners to provide credit in their ecosystemLead the design of the Platform architecture and main componentsWorked closely with Product team to deliver Tomático - Credit for PMETech Stack: Clojure, Python, Kubernetes, PostgreSQL, and AWS Services
2017–2017/Nov	Tech Lead ML Engineer at Captalys. <ul style="list-style-type: none">Founded Data Science team from scratchImplemented Random Forest models to score Hospitals based on SUS dataDesigned and lead the development of a Descriptive Analytics PlatformTech Stack: Python, Scala, Apache Cassandra and MySQL.

Professional Experience

2016–2017/May	Tech Lead at TEVEC Metodologias e Sistemas. <ul style="list-style-type: none">• Designed and Implemented a Machine Learning Operations framework• Simplified the work of Data Scientist to keep them focused on developing and deploy models• Tech Stack: Python, MySQL, TensorFlow, Theano, MongoDB.
2016/Feb–2016/Nov	Analyst in Mathematical Modeling at TEVEC Metodologias e Sistemas. <ul style="list-style-type: none">• Member of Research team in Machine Learning focusing on supply chain• Developed algorithms e.g. clustering, and decision trees• Developed several neural network architectures for time-series prediction• Tech Stack: Python and MySQL.

Scholarships and Awards

2017	Data Science Game 2017 World Finalist
2015	SEG/Exxon-Mobil Student Education Program Awards - SEP
2015	CNPq - Undergraduate Scholarship
2013–2014	CAPES - Brazilian Mobility Program Scholarship
2011-2012	CNPq - Undergraduate Scholarship
2010-2011	USP Rectory Scholarship for Undergraduate.