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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 Boltzman 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	<p>Senior Clojure Developer at Cisco - Remote</p> <ul style="list-style-type: none">• Designed and implemented several solutions to allow communication between Cisco security products• Since 2022 focused on the Identity Management Service• Member of XDR (previous SecureX) core team• Tech Stack: Clojure, Postgresql, Kafka, and AWS services.
2020–2021/Jul	<p>Contractor Senior Clojure Developer - Remote</p> <ul style="list-style-type: none">• Prototyped a livestream app based on WebRTC at App Sauce. Product became HyperSignal.tv• Developed real-time data pipelines for e-sport games at App Sauce (ClojureReDesign Podcast)• Developed document custody solution for clinical trials at Reify Health• Tech Stack: Clojure, Postgresql, Kafka, and AWS services.
2019–2020/Nov	<p>Principal Software Engineer at Captalys</p> <ul style="list-style-type: none">• Expanded the rationale of the <i>Credit Platform</i> to other business units• Designed the architecture for services on Credit Management• Designed the architecture for services on Credit Securitization• Influenced the adoption of Scrum and moved a few new hires for Product positions• Helped new product implementations• Delivered significant team growth. From 5 to 50 developers in 15 months.• Tech Stack: Clojure, Python, Kubernetes, Postgresql, and AWS services.
2017/Dec–2019/Jan	<p>Lead Software Engineer at Captalys</p> <ul style="list-style-type: none">• Got eligible for the Partnership program of the company• Founded and lead a Tech team to build a Credit Platform• Developed public APIs to enable partners to provide credit in their ecosystem• Lead the design of the Platform architecture and main components• Worked closely with Product team to deliver Tomatico - Credit for PME• Tech Stack: Clojure, Python, Kubernetes, PostgreSQL, and AWS Services
2017–2017/Nov	<p>Tech Lead ML Engineer at Captalys.</p> <ul style="list-style-type: none">• Founded Data Science team from scratch• Implemented Random Forest models to score Hospitals based on SUS data• Designed and lead the development of a Descriptive Analytics Platform• Tech 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/Fev–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 timeseries prediction• Tech Stack: Python and MySQL.

Scholarships and Awards

2017	Data Science Game 2017 World Finalist
2015	SEG/ExxonMobil 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.