Resume / CV

Contact Information

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Social: LinkedIn, GitHub, GitLab, Stack Overflow, Leetcode
Location: Brasília, DF, Brazil

Professional Summary

Senior Software Engineer and CTO with over a decade of experience in the tech and financial services sectors. Specializing in Rust, Python, Javascript, and web development, I have demonstrated expertise in leading technology strategies and R&D initiatives. My role as a Co-founder has honed my skills in project and team management, making me adept at driving innovative software solutions. With proficiency in Git, Docker, SQL, and various front-end frameworks, I excel in developing end-to-end software solutions, encompassing data analysis, full-stack development, and efficient software management. My approach focuses on aligning deep technical skills with business goals to deliver impactful, efficient, and innovative solutions.

Skills

Technical/Programming Skills

Programming Languages: Rust, Python, Javascript, SAS, Shell Scripting, Typescript, Lua, PHP, C#
Backend Development: Rust, Python, APIs / Web APIs, Node.js, Python Flask, Python Eve, oData, .NET Framework
Geographic Information Systems (GIS): PostGIS, IpeaGEO, ArcGIS Desktop
Web/Frontend Development: HTML, CSS, APIs / Web APIs, JSON, Javascript, Svelte/Sveltekit, Typescript, React.js, Firebase (Google), Wordpress, Joomla, Riot.js
Software Development: Agile methodologies, Git, Github, Gitlab, Algorithms and Data Structures (DSA), Test Driven Development (TDD)

Infrastructure Management Skills

DevOps and Infrastructure Management: Github Actions, Shell Scripting, Docker, Vagrant, Continuous Integration/Continuous Delivery (CI/CD) pipelines
Systems Administration: Linux-based OS's, Servers and VPS's, System Security Management
Server Software Management: ESRI Geoportal Server, ArcGIS Collector, ArcGIS StoryMaps, ArcGIS Dashboards, ArcGIS App Builder
Cloud: Amazon AWS, Google Cloud Platform (GCP), Microsoft Azure, Linode, Digital Ocean, Wasabi Object Storage

Data Engineering Skills

Database Management & Storage: Data Engineering, SQL, Data Analysis, Mongodb, MySQL / MariaDB, Redis, SQLite, PostgreSQL, Microsoft SQL Server, Data and Model Version Control
Languages for Data Analysis and Manipulation: Rust, Python, R, SAS

Financial/Investment Skills

Financial/Market Analysis: Financial modeling, Finance, Risk assessment, Fundamental and technical analysis
Investment Strategies: Asset allocation, Portfolio management
Financial Software: Bloomberg Terminal

Analytical/Research Skills

Research Methodologies: Optimization Methods, Quantitative Research, Qualitative Research
Statistical Modeling and Methods: Regression analysis, Time-series analysis, Econometrics, Forecasting Techniques

Soft Skills

Communication: Excellent written and verbal communication
Leadership: Team leadership and project management, Project management, Technological Leadership
Problem-Solving: Creative and analytical approach to challenges
Time Management: Efficient in managing multiple tasks
Collaboration: Proven ability to work effectively in team environments

Work Experience

Software Engineer at Scale AI   **03/2024 - Present**
Roles: Software Developer / Software Engineer
Projects: Generative AI Data Engine
- Evaluated the quality of AI-generated code, providing human-readable summaries of my assessments

- Solved a variety of coding problems, ensuring code functionality and efficiency
- Developed robust test cases to validate code performance and effectiveness
- Addressed diverse coding challenges, enhancing AI model training and performance
- Crafted detailed instructions and prompts to guide the AI Model's learning process

Software Engineer, CTO and Co-founder at cwnt.io   10/2016 - Present

Roles: Co-founder, CTO (Chief Technology Officer), Software Development Manager, Project Manager, Software Developer / Software Engineer, Systems Administrator, Technology Educator

Projects: Boleteggs, Algorithmic Trading, Brag-Server, Ripissue

- Developed 'Boleteggs', a React.js and Python-based web app for rental billing and contract management, enhancing operations for a family-owned property management company.
- Created innovative trading algorithms with Rust, Python, and R, enhancing real-time decision-making in asset trading and market data analysis.
- Spearheaded and developed 'Brag-Server', an open-source Rust-based REST API for Git metrics, built using PostgreSQL and Docker, enhancing insights into repository activities.
- Developed 'Ripissue', an open-source CLI tool for Git issue tracking using Rust, employed by Cwnt.io for project management and as the main issue tracker in its software development process, streamlining distributed project management workflows.
- Shaped company vision and strategic direction as Co-founder, fostering innovation in technology solutions.
- Aligned technology strategy with business goals and managed R&D initiatives for tech solution deployment as CTO.
- Oversaw software development lifecycle and implemented best coding practices as Software Development Manager.
- Crafted and tested high-quality software applications, ensuring alignment with user and business requirements as a Developer.
- Managed server configurations and system security, ensuring reliable service deployment as Systems Administrator.
- Imparted technical knowledge and project-specific skills, enhancing team capabilities as a Technology Educator.

Software Engineer and Technical Consultant at Seu Visto   01/2015 - Present
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Roles: Software Developer / Software Engineer, Software Development Manager, Project Manager, Systems Administrator, Technology Educator

Projects: CRM Process Automation

- Developed and implemented the entire client assistance lifecycle automation, integrating sales processes with CRM tools and communication applications including Whatsapp Business API.
- Managed the software development lifecycle, ensuring project alignment with business objectives and incorporating best practices in coding, testing, and deployment.
- Oversaw project lifecycles from conception to completion, defining scopes, managing resources, and leading cross-functional teams.
- Managed server configurations and system security, handling service deployment, software maintenance, and routine task automation.
- Educated and shared technical knowledge with staff, focusing on project-specific skills and a range of technology subjects.

Software Engineer and Technical Consultant at CADE   01/2018 - 01/2023

Roles: Systems Analyst, Technology Educator, Data Analyst/Engineering, Software Developer / Software Engineer, Project Manager, Systems Administrator

Projects: Cadelab

Teachings: Svelte/Sapper Training Program, Python Eve Training Program

- Spearheaded and led the development of 'Cadelab', an interactive platform for economic competition analytics, utilizing Python Eve, Flask, and Svelte for advanced data visualization. Implemented MongoDB for database management, DVC for data version control, and employed Docker for containerized deployment, ensuring cutting-edge API services and efficient data updates.
- Coordinated and reviewed data ETL processes at CADE, playing a key role in programming statistical procedures and methods for calculating economic indicators. My responsibilities included data engineering, scripting for data manipulation, cleaning, aggregation, and implementing ETL workflows, alongside data analysis using R, Python, and PostgreSQL.
- Managed full software development cycles, ensuring project alignment with business goals, and mentored a team of developers in full-stack technologies.
- Directed project lifecycles, from concept to delivery, defining scopes and leading cross-functional teams for successful project execution.
- Handled systems administration duties, including server configuration, system security, and service deployment, ensuring robust and secure IT infrastructure.
- Designed and delivered training programs in Svelte/Sapper and Python Eve with MongoDB, enhancing team skills in SPA development and REST API construction.

Software Engineer and Research Consultant at IPEA   10/2011 - 12/2019

Roles: Data Analyst/Engineering, Academic Researcher, Software Developer / Software Engineer, Software Development Manager, Project Manager, Systems Analyst, Systems Administrator, Technology Educator

Projects: Data Analysis Reports, IpeaGEO, Ipea Data Extractor, Ipea Publishes, Ipea Projects, IpeaData, Portal of Metropolitan Governance in Brazil, IVS

Teachings: Riot.js Training Program
- Coordinated a multidisciplinary team of developers, data analysts, statisticians, and economists, ensuring effective collaboration and project delivery.
- Developed and enhanced 'IpeaGEO', a .NET C# application for spatial data analysis, improving GIS capabilities and geographic data interpretation.
- Directed the development of 'IpeaData', a prominent web application in Brazil for accessing public social and economic data. Employed the React.js and Riot.js framework and a SQL Server with a .NET C# Odata, and a MongoDB with a Python backend, enhancing the application's robustness and scalability.
- Managed the 'Ipea Data Extractor' project, utilizing Suite Pentaho, Mondrian, and Saiku over PostgreSQL for efficient data querying and aggregation.
- Led the 'Ipea Publica' project as project manager and system analyst, automating the review process of institutional publications and improving internal workflow efficiency.
- Oversaw 'Ipea Projetos', streamlining the management of organizational projects through effective system design and project coordination.
- Fulfilled multiple roles (developer, tech lead, and project manager) in the 'Atlas of Social Vulnerability' project, contributing to the development of a dynamic web platform for analyzing social data.
- Assumed similar roles (developer, tech lead, project manager) in 'Portal of Metropolitan Governance in Brazil', a project focued on regional development and governance data for economic analysis.
- Conducted comprehensive economic research data analysis and reporting, creating databases, reports, and charts to support various research studies.
- Delivered comprehensive Riot.js training, focusing on web development frameworks and frontend architecture, enhancing participant skills in building web applications.

Consultant and Software Developer at IAED   10/2011 - 12/2017

Roles: Data Analyst/Engineering, Software Developer / Software Engineer, Technology Educator, Academic Researcher
Projects: ALM, Actuarial Flow, Future Rentability
Teachings: SAS Enterprise Guide Training Program
- Served as a consultant, implementing projects like 'ALM', 'Actuarial Flow', and 'Future Rentability' for major banks, financial institutions, and pension funds in Brazil.
- Analyzed and developed financial models for 'ALM' using C#, .NET, R, SAS, and SQL, optimizing asset and portfolio management strategies.
- Led the 'Actuarial Flow' project as a developer and researcher, utilizing R, SAS, and SQL for actuarial data processing, significantly enhancing data accuracy and efficiency.
- Designed and implemented 'Future Rentability', a predictive model for asset performance using regression and econometric methods in R and SAS, improving long-term investment decisions.
- Conducted extensive qualitative and quantitative research, applying econometrics and optimization methods to generate insightful financial analyses.
- Facilitated 'SAS Guide Course' as a technology educator, imparting crucial data analysis skills using SAS to professionals, enhancing their analytical capabilities.

Project Manager and Technology Coordinator at CERME   03/2015 - 12/2016

Roles: Project Manager, Software Development Manager, Systems Analyst, Systems Administrator, Technology Educator
Projects: ODR
- Executed the 'ODR' project for the Brazilian Government, serving as a hub for economic and social policy indicators. Provided an array of web-based solutions for detailed regional analysis, simplifying access to regional social, economic, and demographic data, and applying policy metrics to monitor the execution and outcomes of regional public policies.
- Oversaw the 'ODR' project as Technology Coordinator, managing project and development teams, and ensuring efficient systems analysis and administration.
- Led web development efforts using HTML, CSS, and JavaScript, enhancing online platforms and user interfaces.
- Administered server systems and ensured robust system security, utilizing Linux and system security tools.
- Implemented Geoportal and other GIS tools like ArcGIS Desktop, Collector, and StoryMaps for dynamic data visualization and analysis.
- Conducted technology education sessions on various tools including WordPress, Git, and Agile methodologies, enhancing team proficiency and project efficiency.

General Coordinator at SDR   08/2014 - 02/2015

Roles: Administrative Manager, Project Manager, Systems Administrator, Data Analyst/Engineering
Projects: ODR
Teachings: Speaker at LAUC 2014 - Esti Latin America User Conference: 'Regional Development Observatory (ODR)', Speaker at the VII Regional Symposium on Geoprocessing and Remote Sensing (GEONORDESTE): 'Geotechnologies as development strategies for the semiarid: the Regional Development Observatory'
- Managed and administered the 'ODR' project, coordinating regional policy monitoring and evaluation.
- Utilized GIS tools such as ArcGIS Desktop for geographical data analysis, aiding in effective regional policy planning.
- Spearheaded database management and analysis using PostgreSQL, R, and SQL, ensuring accurate data-driven decision-making.
- Promoted Agile project management practices and Git for efficient team collaboration and project tracking.
- Acted as a speaker at LAUC and Geonordeste, sharing insights on regional policy evaluation and monitoring.

Roles: University Professor, Academic Researcher

Teachings: Quantitative Methods for Decision Making, Finances 1, Financial Calculus

- Taught courses in 'MMQD - Quantitative Methods and Operations Research', 'Finances 1', and 'Financial Calculus', leveraging expertise in financial modeling and econometrics.
- Conducted research and applied quantitative and qualitative methods, contributing to the field of finance and economics.
- Developed and utilized SAS, R, and Bloomberg tools for teaching and research, enhancing students' analytical and practical skills.
- Focused on optimization methods, forecasting, and regression analysis, guiding students through complex financial concepts.
- Engaged in asset, portfolio, and risk management studies, providing students with practical, industry-relevant knowledge.

Education

Title: Doctor of Business Administration (Finance and Quantitative Methods) [Incomplete]
University: University of Brasília (Universidade de Brasília - UnB)
Location: Brasília, DF, Brazil
Attended: 2014 - 2017
Notes: Completed all coursework credits.
Areas Of Study: Operations Research, Optimization Methods, Pension Funds, Stochastic Models

Title: Master of Science in Business Administration (Finance and Quantitative Methods)
University: University of Brasília (Universidade de Brasília - UnB)
Location: Brasília, DF, Brazil
Graduated: 2013
Dissertation Title: Evidence of Underpricing and Underperformance in IPOs: An Empirical Study of the Brazilian Market.
Areas Of Study: Financial Economics, Empirical Finance, Brazilian Market Analysis

Title: Bachelor of Business Administration
University: University of Brasília (Universidade de Brasília - UnB)
Location: Brasília, DF, Brazil
Graduated: 2011
Monograph Title: Corporate Governance in Brazil: The Impact of Adherence to the Market Arbitration Chamber on the Risk of Publicly Traded Companies
Areas Of Study: Corporate Governance, Risk Management, Financial Markets

Projects

Generative AI Data Engine

Title: Scale's AI Generative AI Data Engine
Project Nature: Data Curation and Generation Platform, Quality Control and Model Evaluation System, AI Model Training Infrastructure
Description: An innovative platform by Scale AI that accelerates the creation of high-quality, tailored datasets for training advanced generative AI models, leveraging a combination of automation, expert human intelligence, and a global network of subject matter experts.
Links: Generative AI Data Engine

Brag-Server

Title: Brag-Server: Git Repository Metrics REST API in Rust
Project Nature: REST API Development, Git Repository Metrics Tool, Data Management and Analysis, Open-Source Software Project
Description: Open-source REST API, written in Rust, designed to load, update, and serve data from Git repositories. It efficiently retrieves and manages repository metrics, offering JSON-formatted data for client applications. The project provides valuable insights into Git repository activities.
Links: Brag-Server Github, Deployed working API, serving data for gubasso.xyz

Ripissue

Title: Ripissue: CLI Tool for Issue Tracking
Project Nature: CLI Tool for Issue Tracking, Project Management Tool, Task and Sprint Organization Tool, Distributed Workflow Implementation
Description: A command-line interface (CLI) tool specifically designed to streamline issue tracking within Git repositories. It introduces a simple file structure convention and workflow, enabling efficient management of issues, tasks, sprints, epics, and initiatives. Utilizing just the git system and filesystem, Ripissue facilitates distributed issue management, making it a versatile tool for developers leveraging Git's distributed nature.
Links: Ripissue Github, Ripissue Crates.io

gubasso.xyz

Title: gubasso.xyz: Personal Web Portfolio and Blog.

Project Nature: Personal Portfolio Website, Blogging Platform, Git Repository Analytics Display, Professional Showcase, Resume and Project Repository

Description: A SvelteKit-based website, gubasso.xyz serves as my tech portfolio and blog. It integrates with a Brag-Server (brag.gubasso.xyz) API to exhibit a chart of my yearly Git contributions across all public projects. The site also features an ATS-optimized resume, detailed project showcases, and a blog where I share insights on software engineering and tech trends. It's a comprehensive platform reflecting my skills, experiences, and professional journey in software development.

Links: gubasso.xyz, Github

Leetcode

Title: LeetCode Solutions: Rust, TypeScript, and Python

Project Nature: Algorithm Practice Workspaces, Coding Interview Preparation, LeetCode Problem Solutions, Rust, TypeScript, Python Programming

Description: This project comprises three separate repositories, each dedicated to solving LeetCode problems in a specific programming language: Rust, TypeScript, and Python. Each repository is a tailored workspace that replicates the LeetCode web environment locally, enabling me to practice and master algorithms for job interviews. The setup includes test structures for algorithm validation. This collection demonstrates my focus on Rust, while also showcasing my versatility in TypeScript and Python, and my ability to create efficient, language-specific development environments.

Links: Github Rust Workspace, Github Typescript Workspace, Github Python Workspace, LeetCode Gubasso's Profile

docs-n-notes

Title: docs-n-notes: Personal Repository for Documentation and Note Taking

Project Nature: Documentation Tool, Note-Taking Application, Knowledge Management System, Personal Productivity Tool, Digital Repository

Description: undefined

Links: Github

Dotfiles

Title: Dotfiles: Customized Environment Setup

Project Nature: Arch Linux, Neovim, Tmux, Configuration Files Repository, Unix-based System Customization, Development Environment Setup, Lua and Shell Scripting

Description: My personal dotfiles, representing a curated collection of configuration files for Unix-based systems. It includes Lua and Shell scripts, enabling a customized and efficient development environment. This project showcases my setup preferences for various tools and software, offering insights into my workflow and methodologies. It's also a resource for other developers looking to optimize their own environments, demonstrating practical applications of scripting for system customization.

Links: Github

Cadelab

Title: Cadelab: Interactive Platform for Economic Competition Analytics

Project Nature: Full Stack Technologies, Economic Data Visualization and Analytics Platform, REST API for Economic Indicators and Public Data, Automated Data Workflow System, Data Engineering and ETL Processes Tool

Description: Interactive platform designed for economic competition analytics, featuring a frontend web application that displays data and indicators relevant to market competition. The frontend showcases data through visual components and charts for easy interpretation. On the backend, it employs Python Eve and Flask frameworks to power a REST API serving up-to-date public data. The platform includes an automated data workflow to sync and update sources, coupled with data engineering scripts for ETL processes, generating aggregated data and essential indicators.

Links: Cadelab (Version Alpha), Cadelab Data REST API

IpeaData

Title: IpeaData

Project Nature: Data Repository Platform, Web Application, Web API, Data Analysis and Visualization Tool, Metadata Management System

Description: IpeaData is a versatile web platform and API offering a rich repository of various public data sets, including economic, financial, demographic, geographic, and social statistics. It features robust data processing capabilities, such as extraction, organization, cleaning, and aggregation from diverse sources. The platform presents data in intuitive charts and provides detailed metadata for deeper insights. This comprehensive project entailed revamping the original version to enhance data accessibility and visualization, catering to a wide range of users.

Links: IpeaData Gitlab, IpeaData Gov.br, IpeaData Ipea, IpeaData API, IpeaData First Version

IVS

Title: Atlas of Social Vulnerability (IVS - Atlas da Vulnerabilidade Social)

Project Nature: Web Portal for Social and Economica Data, Data Visualization Platform, Social Analysis Tool, Joomla CMS-Based Web Application

Description: Dynamic web platform designed to display and analyze social vulnerability data in Brazil. Built on top of Joomla CMS, it offers user-friendly visualization of the IVS index and related social data through charts and other accessible formats. The platform's main objective is to make complex social vulnerability information easily understandable and accessible to the public, aiding in social analysis and policy-making.

Portal of Metropolitan Governance in Brazil

Title: Portal of Metropolitan Governance in Brazil (Portal da Governança Metropolitana no Brasil)
Project Nature: Web Portal for Metropolitan Data, Regional Governance and Policy Analysis Tool, Economic and Social Data Repository, Joomla CMS-Based Web Application
Description: Specialized web platform designed to offer in-depth access to a range of economic and social data, indicators, and studies focused on Brazil's metropolitan regions. Built on Joomla CMS, this platform is dedicated to facilitating the understanding and analysis of metropolitan area data, emphasizing regional development and governance. It serves as a valuable tool for researchers, policymakers, and the public interested in the dynamics of Brazil's urban centers.
Links: Portal da Governança Metropolitana no Brasil

Algorithmic Trading

Title: Automated Asset Trading Algorithms
Project Nature: Financial Algorithm Development, Automated Trading System, Real-Time Market Data Analysis, Financial Data Repository Management
Description: Algorithms for automating decision-making in asset trading. Key features include real-time data reading from various assets and markets, creating a suite of indicators based on price movements, and developing algorithmic strategies for autonomous buying and selling of assets. Additionally, a comprehensive data repository was established to facilitate the creation and optimization of these trading strategies.

Boleteggs

Title: Boleteggs: Rental Billing & Contract Management Web App
Project Nature: Rental Billing and Contract Management Web Application, API Integration for Automated Billing, Tenant Management System
Description: Web application designed for rental billing and contract management. It facilitates the generation and management of rental contracts, integrating with Gerencianet's billing API for automatic document creation. The app provides efficient tenant billing management and is developed as a React-based single-page application (SPA) and a Python REST API, enhancing user experience and operational efficiency.

ODR

Title: Regional Development Observatory (ODR - Observatório Do Desenvolvimento Regional)
Project Nature: Web Platform, GIS Applications, Full Stack Technologies
Description: Advanced web platform that leverages ArcGIS technology to provide comprehensive regional and spatial data. It serves as a hub for economic and social policy indicators, offering an array of web-based solutions for detailed regional analysis.
Links: ODR MI, Gov.br ODR

CRM Process Automation

Title: Client Assistance Process Automation
Project Nature: Process Automation System, CRM Integration Solution, Client Communication Management Tool, Sales Workflow Automation
Description: Automating an entire client assistance process, encompassing pre-sale, sale, and post-sale stages. It involved the integration of the sales process with CRM tools and communication applications, and a backend implementation for managing data and message distribution between the Whatsapp Business API, CRM, and other management tools.

Ipea Projects

Title: Ipea Projects (Ipea Projetos)
Project Nature: Project Management System, Institutional Initiative Tracker, Organizational Coordination Tool
Description: Internal institutional system developed for the comprehensive management of all organizational projects and initiatives at Ipea. It streamlines the coordination, monitoring, and administration of various projects, ensuring efficient management and tracking of institutional efforts.

Ipea Data Extractor

Title: Ipea Data Extractor (Ipea Extrator de Dados)
Project Nature: Data Query and Aggregation Platform, Public Data Repository, Custom Data Table Builder, Business Intelligence Tool
Description: Web platform designed for querying, aggregating, and collecting a diverse array of data. Utilizing technologies like Suite Pentaho, Mondrian, and Saiku, it provides access to public databases, research content, indicators, and historical data series. The platform's unique feature allows users to construct their own data tables, offering flexibility in aggregating and cross-combining data to suit specific analysis needs.
Links: Ipea Extrator de Dados, App Extrator de Dados

Ipea Publishes

Title: Ipea Publishes (Ipea Publica)
Project Nature: Internal Publication Management System, Document Review and Standardization Tool, Workflow Automation Application

Description: Internal web application specifically designed to streamline and standardize the review process for institutional publications at Ipea. It serves as an automation tool, significantly enhancing the efficiency and consistency of how Ipea's publications are managed and reviewed.

IpeaGEO

Title: IpeaGEO: Spatial Data Analysis
Project Nature: Spatial Data Analysis Software, GIS Application, Map Visualization and Generation Tool
Description: Windows desktop application developed in .NET C# for advanced spatial data analysis. It specializes in the manipulation and georeferencing of spatial data, offering GIS capabilities. The software enables users to visualize and generate maps, facilitating comprehensive geographic information system analysis and data interpretation.
Links: IpeaGEO

Future Rentability

Title: Automated Future Rentability Estimation for ALM models
Project Nature: Financial Modeling Tool, Analytics System
Description: Innovative system for automated future rentability estimation in Asset-Liability Management (ALM) models. This solution has been implemented in major Brazilian pension funds, enhancing asset allocation and portfolio management strategies.

Actuarial Flow

Title: Automated Deterministic and Stochastic Actuarial Flow for ALM models
Project Nature: Actuarial Analysis Tool, Financial Forecasting System
Description: Solution for automating both deterministic and stochastic actuarial flows in Asset-Liability Management (ALM) models. This tool has been effectively integrated into some of Brazil's major pension funds, aiding in strategic asset allocations and enhancing portfolio policy decisions.

ALM

Title: Automated Asset-Liability Management Model for Pension Funds
Project Nature: Financial Management System, Asset Allocation Tool
Description: System for the automated management of asset-liability in pension funds, utilizing an ALM model to optimize asset allocation. This system has been adopted by major pension funds, significantly improving their asset management strategies

Data Analysis Reports

Title: Economic Research Data Analysis and Reporting
Project Nature: Economic Research Reporting, Data Analysis and Visualization, Script-Based Data Collection and Processing Tool
Description: Creation of comprehensive databases, studies, and reports for economic research. It involves the generation of reports, data sets, and charts to support research and studies. The project also includes the development of scripts for efficient data collection and processing, as well as statistical and spatial analyses to enrich economic research efforts

Roles

Co-founder
- Shaped and communicated the company's vision, mission, and culture.
- Guided strategic planning and decision-making to drive growth and development.

CTO (Chief Technology Officer)
- Directed overall technology strategy, aligning it with business goals.
- Managed the company's R&D initiatives and technological infrastructure.
- Oversaw the development and implementation of tech solutions.

Software Development Manager
- Managed the full software development lifecycle, ensuring alignment with project and business objectives.
- Implemented coding, testing, and deployment best practices.
- Led and mentored a team of software developers and engineers.

Project Manager
- Oversaw project lifecycles from inception to completion.
- Defined project scopes, set objectives, and managed resources.
- Coordinated and led cross-functional project teams.

Software Developer / Software Engineer
- Developed and tested software applications.
- Created solutions meeting both user and business requirements.
- Ensured code quality and implemented best practices.

Systems Administrator

- Managed server configurations and system security.
- Handled service deployment and software maintenance.
- Administered security protocols and automated routine tasks.

Technology Educator

- Taught a range of technology subjects.
- Shared project-specific knowledge with technical staff.

Administrative Manager

- Managed teams and contracts.
- Standardized organizational processes and documentation.
- Implemented agile methodologies for operational efficiency.

Data Analyst/Engineering

- Handled data inspection, cleaning, and modeling.
- Performed data collection and statistical analysis.
- Developed ETL scripts and applied statistical methods for data analysis.

Systems Analyst

- Analyzed business needs and documented technical requirements.
- Designed and evaluated technology solutions.

University Professor

- Taught academic courses and conducted research.

Academic Researcher

- Engaged in scholarly research and academic contributions.

Publications

Title: Spatial and Non-Spatial Clustering: An Applied Study to Brazilian Agriculture. Discussion Papers 2279, Institute for Applied Economic Research - IPEA. [Access Link]
Area: Economics and Quantitative Methods

Title: How beautiful but wrong answers put the world in crisis again. Periodic Democratic Policy. 2011.
Area: Economics and Finance

Title: ODR Bulletin: Regional Development Observatory. [Access Link]
Area: Regional Development and Policy Analysis

Teachings

- **Speaker at the VII Regional Symposium on Geoprocessing and Remote Sensing (GEONORDESTE): 'Geotechnologies as development strategies for the semiarid: the Regional Development Observatory'**
- **Speaker at LAUC 2014 - Esti Latin America User Conference: 'Regional Development Observatory (ODR)'**
- **SAS Enterprise Guide Training Program** : Conducted tailored training on SAS Enterprise Guide for pension funds staff.
- **Riot.js Training Program** : Delivered training on Riot.js and general-purpose JavaScript frameworks for web development.
- **Svelte/Sapper Training Program** : Taught Svelte for SPA development and Sapper for hybrid SPA/MPA architectures.
- **Python Eve Training Program** : Instructed on building Python Web REST APIs using Eve, Flask and MongoDB integration.
- **Quantitative Methods for Decision Making** : Taught graduate-level operations research, quantitative analysis, and statistical methods for decision-making.
- **Finances 1** : Introductory course on corporate finance, financial markets, and investment analysis.
- **Financial Calculus** : Foundational finance course covering basic concepts like interest rates and investment returns.

Languages

- **Portuguese:** native
- **English:** advanced

Companies

Scale AI
Company: Scale AI
Location: San Francisco, CA, US
Links: Scale AI

Seu Visto Certo
Company: Seu Visto Certo

Location: Willow Park, TX, US
Links: Seu Visto Certo

cwnt.io

Company: cwnt.io (Crown and Trunk Technologies)
Location: Brasília, DF, Brazil
Links: cwnt.io Github, cwnt.io LinkedIn

CADE

Company: Administrative Council for Economic Defense (CADE - Conselho Administrativo de Defesa Econômica)
Location: Brasília, DF, Brazil
Links: CADE

IPEA

Company: Institute for Applied Economic Research (IPEA - Instituto de Pesquisa Econômica Aplicada)
Location: Brasília, DF, Brazil
Links: IPEA

IAED

Company: Institute of Economic Analysis of Law (IAED - Instituto de Análise Econômica do Direito)
Location: Brasília, DF, Brazil
Links: IAED LinkedIn

CERME

Company: Center for Market Regulation Studies, University of Brasilia, UnB (CERME - Centro de Estudos em Regulação de Mercados, Universidade de Brasília, UnB)
Location: Brasília, DF, Brazil
Links: Centros UnB, CERME, Centros UnB: CERME

SDR

Company: National Secretariat for Regional Development, Ministry of Integration and Regional Development (SDR - Secretaria Nacional de Desenvolvimento Regional, Ministério da Integração e do Desenvolvimento Regional)
Location: Brasília, DF, Brazil
Links: SDR

UnB

Company: University of Brasília (UnB - Universidade de Brasília)
Location: Brasília, DF, Brazil
Links: UnB