

Vitor Degrecci

AI & Data Solutions Architect

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AI & Data Solutions Architect with 10+ years turning complex business challenges into intelligent, scalable solutions - leveraging Generative AI, LLMs, RAG, and agentic frameworks to accelerate digital transformation globally. Experienced in delivering enterprise-grade Data Analytics, Business Intelligence, and reporting solutions across Power BI, Tableau, and cloud-native architectures for Fortune 500 clients.

Work Experience

Business Systems Analyst

Aug 2015 - Present

Amdocs | Philadelphia, PA

Partnered with Fortune 500 clients to deliver catalog products and drive digital transformation. Developed live reports and dashboards, designed scalable Data Warehouse architectures, and managed ETL pipelines - improving processing efficiency by up to 200% across 800+ products.

- Pioneered agentic AI adoption by architecting a Cursor AI-powered environment integrated with Claude Opus, Claude Sonnet, Gemini, and GPT-4 - enabling context-aware code generation and automated task execution, reducing delivery cycle time by up to 60%.
- Redesigned workflows to support AI-assisted development, upskilling cross-functional teams on prompt engineering, agent orchestration, and LLM selection strategies - driving a measurable shift toward AI-accelerated software delivery.
- Modernized ETL pipelines with AI-assisted data validation and anomaly detection, increasing processing efficiency by 60% and reducing data errors by 40% - ensuring reliability for downstream LLM ingestion and RAG pipelines.
- Led end-to-end AI solution delivery - from discovery through rollout - embedding agentic workflows into research, deal execution, investor communications, compliance, and finance operations.
- Served as Product Owner for internal agentic AI solutions, managing roadmap and backlog via JIRA - tracking KPIs including hours saved, cycle-time reduction, and user adoption through built-in telemetry and feedback loops.

Quality Assurance Analyst

Jan 2014 - Aug 2015

Amdocs | São Paulo, Brazil

Engineered robust QA frameworks leveraging Python-driven test automation, Selenium, and Jenkins to streamline regression, API, and UAT cycles. Delivered zero-data-loss migrations, a 100% boost in order cycle efficiency, and scalable automation pipelines aligned with Agile SDLC standards.

- Architected and maintained a Python-based test automation framework integrated with Selenium WebDriver and pytest, enabling end-to-end UI and regression test coverage across multiple environments and reducing manual testing effort by over 80%.
- Engineered Jenkins CI/CD pipelines to automate test job execution, API performance validation, and build verification - reducing feedback loop time and accelerating troubleshooting across development and staging environments.

Software Engineer Trainee

Jun 2013 - Aug 2013

Grapewòrd (defunct) | Atlanta, GA

Developed and integrated Google Maps APIs into native iOS and Android applications for a subscriber-merchant marketplace platform - driving a 70% increase in user adoption and expanding market visibility across local activities, travel, goods, and services verticals.

Software Engineer Intern

Jan 2013 - Jun 2013

Illinois State University | Normal, IL

Designed and developed a native iOS application for hikers at a state park, conducting user research and UX design to enhance accessibility - recognized by media outlets for its impact. <http://goo.gl/LzAKC2>

Projects

Cat Leap Labs

2024 - Present

Building accessible GenAI and NLP-powered solutions for Smart Homes, Smart Cities, and sustainable manufacturing - architecting end-to-end LLM pipelines using Python, LangChain, and RAG frameworks, and engineering intelligent chatbots leveraging Claude, GPT-4, and Gemini APIs with advanced prompt engineering and agent orchestration.

Volunteer

Volunteer Instructor · Brazilian Olympiad of Informatics (OBI)

Jan 2011 - Dec 2014

University of São Paulo

Designed and delivered algorithms and logic curricula for elementary and high school students at Brazil's most prestigious national informatics competition - covering Algorithm Design, Programming Fundamentals, and Youth STEM Education.

Teaching Assistant

Jan 2011 - Dec 2011

University of São Paulo

Competitive, faculty-selected monitor across Digital Logic, Database Systems, Algorithms, and Discrete Mathematics - providing peer instruction, undergraduate mentorship, and academic tutoring

Core Skills

Python, Java, C/C++, R, Unix shell, SQL, NoSQL, HBase, DevOps, Agile, Oracle Cloud Technologies, Jira, Rally, Octane, ALM, Hadoop Ecosystem, Apache tools, AI/ML, Data Warehouse, REST APIs, Selenium, JUnit, Jenkins, Natural Language Processing (NLP), Chatbot Development, Large Language Models (LLMs), N-Grams, Machine Learning, Retrieval-Augmented Generation (RAG), GitHub Copilot, Vector Databases, Deep Learning

Education

Fox School of Business, Temple University · GPA: 3.98 2021 - 2023

Master of Business Administration Business Analytics

Courses: Change Management & Organizational Transformation, Financial Analysis & Decision Making, Entrepreneurship & Venture Capital, Digital Transformation Strategy, Supply Chain Analysis

University of São Paulo (USP) · GPA: 3.8 2009 - 2014

Bachelor of Science (BS) Computer Science - Ranked #1 CS Program in Latin America

Courses: Computational Theory, Distributed Systems, Computer Networks & Protocols, Artificial Intelligence, Human-Computer Interaction, Computer Graphics, Database Systems & Data Modeling

Georgia Tech May 2013 - Sep 2013

Undergraduate Researcher Green Computing

Courses: Sustainable Computing, Energy-Efficient System Design, Cloud Computing & Sustainability

Illinois State University · GPA: 3.8 2012 - 2013

Credit Exchange Program Computer Science

Courses: Information Security Policy, Cybersecurity Risk Management & Compliance

Awards

Graduated with honors: Top 7% of MBA class 2023

Fox School of Business, Temple University

Additional

- Beta Gamma Sigma Honor Society (2023) - Invitation-only, top 20% of graduates across AACSB-accredited business programs worldwide.
- Royal Society of Arts (RSA) - Former Fellow of one of the world's oldest prestige societies.
- Tutorial Education Program (PET), Competitively selected for Brazil's Ministry of Education's-funded excellence program; contributed to volunteer instruction, and the annual Computer Science Week.
- Languages: English (Fluent) · Spanish (Fluent) · Portuguese (Fluent)
- Work Authorization: US - Full authorization (no sponsorship required) · EU - Unrestricted work eligibility (European Citizenship) · Brazil - Full citizenship.