

Contact

silvars@gmail.com

www.linkedin.com/in/silvars
(LinkedIn)

rodrigomatos.tech (Portfolio)

Top Skills

Engineering Management

Cloud Migration

Generative AI

Languages

Portuguese (Native or Bilingual)

English (Professional Working)

Certifications

Scrum Fundamentals Certified

Sun Certified Programmer for the
Java 2 Platform, S.E 5.0

Rodrigo Matos Silva

Engineering Executive | Head of Engineering | E-commerce,
Marketplace, Payments, Credit & Customer Data | Mainframe-to-
Cloud & AI-driven Modernization | 170+ people | ~R\$700K/year cut
in mainframe cost

Atibaia, São Paulo, Brazil

Summary

Large companies can't stop to modernize. Marketplace, credit, payments and insurance must evolve while millions of transactions keep running on mainframes, under tight budgets and quarterly pressure. That's where I deliver. I lead 5 tribes and 25 squads (170+ people) at Grupo Casas Bahia across Marketplace, Payments, Consumer Credit, Anti-Fraud, Insurance and Services and Customer Data, serving stores, e-commerce and B2B. Recent results:

- ~R\$700K/year cut in mainframe cost across credit and insurance platforms, and growing
- 89% less CPU after moving in-store CPF lookup from mainframe to a Java 21 service
- Single customer golden record for 20M customers, delivered with Google Cloud
- AI agents reverse-engineered 260 legacy COBOL programs into an approved product spec
- Pix for marketplace delivered in 6 months with a 9-person team
- At Americanas, chatbot and WhatsApp platforms cut call-center costs by R\$2M+/month

I lead through people and data: clear priorities, accountable teams and direct communication with C-level. 20+ years in technology, from developer and architect to executive, plus 5 years as a university professor. Open to Engineering Manager and Head of Engineering roles, in Brazil or remote. silvars@gmail.com | rodrigomatos.tech

Experience

Grupo Casas Bahia

Software Engineering Executive Manager

July 2022 - Present (4 years 4 months)

São Paulo, Brazil

Lead Business Capabilities engineering: 5 tribes, 25 squads and 170+ people across Payments, Consumer Credit (CDC), Anti-Fraud, Insurance & Services, Marketplace and Commercial Intelligence.

Mainframe exit and cost

- Cut ~R\$700K/year in mainframe cost across credit and insurance platforms, with savings still growing
- Moved CPF lookup in the in-store sales app to a Java 21 service with feature-flag rollout, cutting CPU on affected programs by 89%
- Reduced CPU in credit-origination routines by 65% in 7 weeks by decommissioning unused jobs and rewriting data access
- Decommissioned 18 batch programs of the Insurance & Services platform in 3 waves (~R\$390K/year)
- Leading Strangler Fig migrations of credit (GCP/AlloyDB) and insurance (C#/.NET on GCP) platforms

Data and AI

- Delivered the Customer MDM with Artefact and Google Cloud: one golden record for 20M customers from 10+ databases, LGPD by design; designed the next phase as a metadata-driven, self-service platform
- Used AI agents to reverse-engineer 100% of 260 legacy programs into a PRD with 208 requirements and 50 ADRs
- Raised AI-tool adoption to 62% of engineering

Payments and platform

- Delivered Pix for marketplace (Banco do Brasil) in 6 months with 9 people, from Checkout to Reconciliation
- Right-sized more than 100 applications on Azure Kubernetes and upgraded critical services

Americanas S.A.

5 years 7 months

Engineering Manager

July 2021 - July 2022 (1 year 1 month)

São Paulo, Brazil

- Co-led WhatsApp and Chatbot V2 platforms that cut call-center costs by R \$2M+/yr
- Led a 30-person team building high-availability platforms for Call Center and Digital Channels
- Owned hiring, headcount planning, career development, OKRs and performance

Tech Manager

November 2019 - June 2021 (1 year 8 months)

São Paulo, Brazil

Led the freight platform for Americanas, Submarino and Shoptime with a 25-person multidisciplinary team.

- Kept freight quotes and delivery promises highly available and scalable as order volume grew
- Evolved the platform on high-performance NoSQL databases and event streaming

Technical Lead

June 2017 - November 2019 (2 years 6 months)

São Paulo, Brazil

Technical lead for new freight products across Americanas, Submarino and Shoptime.

- Set the technical direction and adopted an open-source cloud stack (Java, Kafka, Cassandra, Spark, GCP/AWS) for scalable transactional systems
- Ran team feedback, delivery-quality metrics and Scrum ceremonies

IT Specialist

January 2017 - June 2017 (6 months)

Greater São Paulo Area

Innovation lab supporting the operations research team.

- Built a product-recommendation platform prototype on a big data stack

China Construction Bank (CCB Brasil)

Senior systems analyst | Specialist

April 2014 - January 2017 (2 years 10 months)

Greater São Paulo Area

Credit systems for the Brazilian unit of China Construction Bank.

- Designed and delivered the Warranties and Automated Contracts systems for the credit area
- Built integrations between mainframe (COBOL/DB2) and Java platforms, plus credit rule engines
- Led requirements, solution design, estimates and team planning

Universidade Paulista

Professor

September 2011 - January 2017 (5 years 5 months)

Greater São Paulo Area

Taught undergraduate Computer Science and IT courses.

- Taught object-oriented programming, mobile development (Android), databases and software design

- Mentored students and supervised research on algorithms (data mining and finite automata)

TECH FOR TI

Software architect

January 2011 - April 2014 (3 years 4 months)

Greater São Paulo Area

Software factory serving large clients in automotive, pharma, energy and finance.

- Structured the software factory: architecture standards, hiring, technical interviews and management of tech leads
- Architected solutions for Volkswagen, AstraZeneca, MSD, HSBC, Odebrecht and Valor Econômico, including mobile sales-force apps

Fujitsu

Senior systems analyst

August 2010 - January 2011 (6 months)

Greater São Paulo Area

- Developed and tested Toyota manufacturing systems, writing English specifications for offshore teams and owning QA

Magna Sistemas

Systems analyst

October 2009 - August 2010 (11 months)

Greater São Paulo Area

- Built high-traffic public employment portals for the São Paulo and Rio Grande do Sul labor departments, including Lucene-based search

W3FOCUS Informatics

Analyst Programmer Jr. / Analyst Programmer Pl.

June 2003 - November 2009 (6 years 6 months)

São Paulo Area, Brazil

- Developed the air-ticket portal and billing system used by major airlines such as GOL, TAM e KLM.

Education

Universidade Presbiteriana Mackenzie

Master's Degree, Electrical Engineering · (2011 - 2013)

FIAP

Master of Business Administration (M.B.A.), Architecture J2EE · (2007 - 2008)

Universidade São Judas Tadeu

Bachelor's Degree, Algorithms, compilers and formal languages. · (2003 - 2006)

Colégio da Polícia Militar - SP

High School, Computer Data Processing · (2001 - 2002)