Lucas Mello

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Summary

Software Engineer and Cloud Platform Architect who helps large enterprises leverage modern cloud ecosystems and developer tools to ship faster, safer, and with clear governance. At Banco Bradesco, built an **AI-ready engineering platform** and **scaled GitHub Enterprise**, onboarding 5,000+ engineers in under 6 months, reducing deploy time 95

Skills

Programming Languages: TypeScript, JavaScript, Go, Python, R, Bash, Java

Cloud and Infrastructure: Cloud Migration, Azure, OpenShift, GCP, AWS, Microservices, Infrastructure as Code (IaC), Kubernetes, Docker, Terraform, Helm, ArgoCD, GitOps, Nexus, JFrog

Architecture and DevOps Platform: GitHub Enterprise Cloud, GitHub Administration, GitHub Actions, GitHub Advanced Security, Continuous Integration and Continuous Delivery (CICD), Software Development Life Cycle (SDLC), GitLab, Jenkins, Bamboo, Bitbucket, Internal Developer Platform (IDP), Humanitec, ServiceNow, Jira, SonarQube, REST APIs, GraphQL

Artificial Intelligence: AI Agents, GitHub Copilot, Custom Agents, Continuous AI, AI Release Pipelines, Model Context Protocol (MCP), MCP registry, Large Language Models (LLM), Agent Skills, AI Engineering Framework, Agentic Development Platform

Leadership and Communication: English (bilingual), Portuguese (native), Spanish (elementary), Public speaking, Technical writing, Agile Methodologies, Cross-functional Team Leadership

Experience

Senior Software Engineer, AI-Powered Engineering Platform @ Bradesco – Sao Paulo, SP   Sep 2025 – present

- Enabled 10,000+ developers to adopt seamless human-agent collaboration by standardizing MCP-based AI tooling across SDLC touchpoints into an auto-discoverable, product-oriented catalog.
- Layered MCP over SDLC touchpoints to standardize internal-service integration, enabling developers and AI agents to consume platform capabilities through a consistent interface.
- Standardized AI toolchain delivery through a centralized catalog and integrated release pipeline, publishing once and making capabilities available everywhere with no client-side setup for developers or agents.
- Embedded an in-house, award-winning AI capability natively into the Engineering Platform, shipping its features as developer-facing products.
- Designed an enterprise agent enablement framework that routed high-priority initiatives to specialized agents with MCP tools/playbooks, improving delivery speed and quality while aligning parallel workstreams through shared standards and requirements.

Senior Software Engineer, DevOps Platform @ Bradesco – Sao Paulo, SP   Jan 2024 – Sep 2025

- Built an AI-ready engineering platform powering software for **110M+ clients**; scaled GitHub Enterprise to onboard **5,000+ engineers in under 6 months**, cutting deploy time **95%+** and **tripling** release frequency.
- Led enterprise adoption of GitHub as the SDLC backbone for an **80,000+ employee** bank, consolidating integrations, governance, and reusable pipelines (including GitOps via Argo CD and ServiceNow orchestration) into a single platform; enabled **25,000+ developers** as of handoff.
- Built "platform bridges" so teams shipped with modern practices immediately while upskilling caught up; delivered repository self-updating capabilities to manage software lifecycle at scale with transparent, auditable, banking-grade governance.
- Migrated **100,000+ repositories** and CI workloads with **zero critical downtime**; rebuilt legacy CI from scratch to standardize SDLC.
- Trained and mentored **5,000+ engineers** on service-driven, platform-first development; earned recognition from GitHub/Microsoft leadership and shared the work twice at The Developers Conference.

Software Engineer, Cloud Migration @ Bradesco – Sao Paulo, SP   Aug 2022 – Jan 2024

- Built a pipeline platform to unlock cloud migration, adding YAML-driven Pipeline-as-Code and one-click SDLC self-service on a legacy toolchain; cut new-stack enablement from **2+ months to under 1 week** for **Azure and IBM OpenShift**.
- Engineered a Pipeline-as-Code engine that versioned pipelines in Git and reconciled desired state across CI/CD and quality tooling (Bamboo, Bitbucket, SonarQube, Nexus), standardizing delivery on legacy systems.
- Delivered one-click SDLC self-service through an internal developer portal, eliminating weeks of manual setup for pipelines and core delivery tooling and reducing project onboarding from **weeks to days**.
- Defined enterprise code-quality standards for continuous assurance; benchmarked against peers/industry and implemented tiered SonarQube profiles and quality gates by application scope and criticality.
- Drove tooling evaluations and vendor-backed POCs; enabled contracting and rollout for the Azure and IBM OpenShift cloud migration program.

Software Engineer, Full Cycle DevOps Consultant @ LUFOM – Sao Paulo, SP   Feb 2021 – Aug 2022
- Enabled client dev teams new to DevOps; trained Git/branching and Agile, coached tool/process adoption, and improved long-term engineering maturity.
- Built cloud-native CI/CD for clients (Azure/AWS/GCP) with Terraform, Docker/Kubernetes, tests, and security scanning; cut incidents 25

Software Engineer, AI-Driven Portfolio Allocation @ Fintelos Wealth Management – Bauru, SPJul 2018 – Jul 2021
- Built data-driven investment platform (R/Python/GCP BigQuery) delivering real-time portfolio analytics and interactive client reports.
- Shipped full-stack features from concept to production in fintech, enforcing security, accuracy, and performance for regulated financial data.
- Delivered rich dashboards, reporting, and augmented-reality data viz to boost client engagement; owned troubleshooting across the stack as a full-cycle engineer.

Private Wealth Advisor @ LM Private Services – Sao Paulo, SP   Aug 2014 – Jul 2018
- Advised HNW families and tech investors; built long-term client relationships, delivered wealth/tax/estate strategies (onshore/offshore structuring) and led due diligence/valuation/risk reviews while mediating investor-startup negotiations throughout funding lifecycles.

Education

Microsoft – Certification: GitHub Actions (ID D302AA2A06D53A7E)	Dec 2025
GitHub – Certification: GitHub Foundations (ID 2d0285ab)	Sep 2024
Microsoft – Certification: Security, Compliance, and Identity Fundamentals (ID DA9682AAD220AC0F)	Jan 2024
Microsoft – Certification: Azure Fundamentals (ID 221B0207A711F59D)	Jan 2024
OWASP Security Journey – Certification: Security Belt (ID 438)	Jun 2022
Google – Certification: Google Cloud Essentials (ID 1657920)	Jan 2022
Securities and Exchange Commission of Brazil – License: Securities Consultant (ID 1579-2)	Aug 2020
APIMEC – License: CNPI (ID 2200)	Jan 2020
Order of Attorneys of Brazil – License: Definitive Bar Association (ID 352239)	Sep 2014
Toledo Institution of Education – LL.B Law	Dec 2013