# Lucas Geovani Castro Brogni

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## Professional Summary

Software Engineer specialising in serverless architecture on AWS, with 10+ years designing and operating distributed systems at scale. Consistently operates beyond the individual contributor scope: leading platform initiatives, defining engineering standards, and shaping the tooling other engineers build on. Recent work includes a serverless MCP server (P95 < 100ms), a company-wide feature flag framework across 15 engineers, and a ground-up overhaul of integration testing infrastructure adopted across backend services. Targeting Staff Engineer or Tech Lead roles where deep serverless expertise meets cross-team technical ownership.

## Technical Skills

TypeScript · JavaScript · Java · Kotlin · Python · Node.js · Serverless Architecture · Microservices · RESTful APIs · AWS (Lambda · CDK · API Gateway · Cognito · RDS · DynamoDB · SQS/SNS) · Terraform · PostgreSQL · MySQL · MongoDB · Redis · Jest · JUnit · Testcontainers · LocalStack · TDD · CI/CD · LaunchDarkly · Feature Flags · Trunk-Based Development · Kafka · RabbitMQ · Datadog · Sentry · CloudWatch

## Professional Experience

### Rebrandly — San Francisco, USA *(Remote)*

**Software Engineer – Growth & Platform │ July 2025 – Present**

- **MCP Server**: Owned end-to-end design, implementation, and delivery of Rebrandly's Model Context Protocol (MCP) server — a serverless TypeScript service on AWS Lambda + API Gateway — taking full responsibility from architecture decision through production deployment and monitoring. Achieved P95 latency under 100ms.
- **Feature Flag Strategy**: Defined and led company-wide adoption of a feature flag framework across 3 engineering teams (15 engineers), selecting LaunchDarkly as the platform and authoring the technical design covering flag governance, rollout thresholds, QA integration, and stale flag lifecycle management.

- **Test Infrastructure:** Introduced Testcontainers and LocalStack as the standard for integration testing across backend services, growing test coverage from near-zero to 50%+ in previously untested services.
- **Conversion Optimisation:** Redesigned free trial onboarding by removing the upfront credit card requirement, driving trial conversion from 0.97% to 7% among free plan users — a 7× improvement.

## Taxdoo — Hamburg, Germany *(Remote)*

### Software Engineer | April 2023 – July 2025

- **Interim Engineering Manager:** Stepped in as acting Engineering Manager for a 6-person team over 10 months, owning delivery planning, team health, and stakeholder communication during a critical leadership transition.
- **Authentication Modernisation:** Led migration of authentication infrastructure to AWS Cognito, reducing open security tickets by 68% within 6 months.
- **CI/CD Transformation:** Designed and rolled out CI/CD pipelines across 12 services, increasing deployment frequency from 3× per week to 3–5× per day.
- **Testing Culture:** Established testing frameworks and quality standards adopted team-wide, resulting in a sustained reduction in critical production incidents.

## Pleo — Copenhagen, Denmark *(Remote)*

### Software Engineer | February 2022 – March 2023

- **Multi-Entity Product:** Co-designed Pleo's Multi-Entity solution, enabling enterprise customers to manage spend across multiple legal entities — launching a strategic new enterprise revenue segment for the company.
- **Serverless Rebuild**: Re-architected card tracking integration using serverless patterns, significantly reducing data processing errors and improving system reliability.
- **Infrastructure:** Managed AWS infrastructure via Terraform and optimised PostgreSQL query performance for high-throughput financial data workloads.

# Earlier Experiences (2014-2021)

**Multivision** (Backend Developer, Lisbon · 2021 - 2022) — Designed and launched a benchmarking platform for major hotel chains, giving clients data to optimise their offerings — directly contributing to 20% growth in customer revenue. Stack: Typescript, Node.js, Angular, MongoDB, and CassandraDB

**Lyncas** (Software Developer · 2019 - 2020) — Enforced 90%+ backend test coverage and rigorous cloud architecture practices across all services, sustaining 99.99% system uptime throughout the engagement. Stack: Node.js, TypeScript, MongoDB, and React — cloud-native microservices with automated test suites

**Qualix Tecnologia** (Software Developer · 2018 - 2019) — Diagnosed and resolved core stability issues in a React Native sales enablement app, reducing crash rate by 20% and lifting user satisfaction by 10%. Stack: React, React Native, Node.js, and MongoDB — cross-platform mobile apps and supporting backend APIs

**Systextil** (Software Development Analyst · 2017 - 2018) — Owned the full software lifecycle — from requirements through deployment — for 4 core modules of the Systextil ERP Web platform. Stack: Java, SQL — ERP module development, database design, and system integration

**Elian Indústria Têxtil** (Junior Systems Analyst · 2014 - 2017) — Championed the rollout of a new internal sales platform through training and stakeholder alignment, achieving 100% team adoption within 20 days of launch. Stack: PHP, SQL — internal sales tooling and database-backed reporting

# Education

**Postgraduate Degree in Tech Management** FIAP – Faculdade de Informática e Administração Paulista, Brazil │ 2025 – Present *Leadership, Agile Methodologies, Solution Architecture, Technology Governance*

**MBA in Software Architecture** IGTI – Institute of Management and Information Technology, Brazil │ 2020 – 2021

**Bachelor of Technology in Internet Systems** Faculdade de Tecnologia SENAI, Brazil │ 2016 – 2019

# Writing & Content

**Practical Serverless — [https://practicalserverless.blog](https://practicalserverless.blog) —** Independent blog covering production-grade serverless architecture, AWS patterns, and developer experience on AWS Lambda.

**From Zero to Production with AWS Lambda — [lambdainproduction.com](lambdainproduction.com) —** Technical ebook on serverless architecture patterns for production workloads on AWS.

# Certifications

- **JSNSD – OpenJS Node.js Services Developer — ID LF-kkov43bnvi**