

Guido Luz Percú

Senior Software Engineer

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Portuguese (Native), English (Fluent), French (Professional)

SUMMARY

Senior Software Engineer with 13 years of experience building backend systems and cloud infrastructure with Python and AWS. Led engineering teams and owned architecture end to end, designing multi-tenant SaaS platforms, serverless architectures, payment flows, and privacy and compliance systems (GDPR/LGPD). Currently leading the migration of a core guest-facing product used by more than 10,000 hotels to a modular architecture across the US, EU, and APAC regions. Recent work includes LLM-powered features on AWS Bedrock and AI-assisted developer tooling.

EXPERIENCE

Canary Technologies · Senior Software Engineer

Sep 2025 – Present · Remote

- Leading the architecture for migrating a core guest-facing product used by more than 10,000 hotels to a modular architecture, moving all customer accounts across three regions (US, EU, APAC).
- Designed and built payment flows for card authorization and deposits.
- Improved privacy and compliance by automating the removal of personal data and PII.
- Built AI-assisted developer tooling with LLM agents to automate operational work.
- Diagnosed and resolved a production database performance issue that was causing query time-outs.

Python · Django · PostgreSQL · Vue.js · TypeScript · AWS · GitHub Actions

BidHound · Principal Software Engineer

Jan 2025 – Sep 2025 · Remote

- Architected a multi-tenant SaaS auction platform with PostgreSQL schema-per-tenant isolation and automated tenant provisioning on AWS Lambda.
- Shipped AI item categorization on AWS Bedrock and a comparable-sales search engine (PostgreSQL full-text search, pgvector, LLM query rewrite) that cut the zero-result rate to 2.7%.
- Designed the full AWS infrastructure in CDK across 8 stacks (Aurora Serverless v2, ECS Fargate on Spot with ~70% cost reduction, Cognito).
- Led a GDPR/LGPD privacy engineering audit: data classification, records of processing, DPIA gap assessment, and a right-to-erasure workflow.

Python · FastAPI · React · TypeScript · AWS CDK · ECS Fargate · Aurora Serverless · Lambda · S3 · SQS · Cognito · Amazon Bedrock · pgvector · PostgreSQL FTS · GitHub Actions

Modus Create

Jul 2017 – Jan 2025 · Remote

Software consultancy delivering projects for multiple clients. Promoted 3 times: Fullstack Engineer → Senior Fullstack Engineer → Tech Lead → Principal Software Engineer

Principal Software Engineer

Nov 2023 – Jan 2025

- Architected GenAI document-processing solutions on AWS Bedrock, using Tesseract OCR to extract data from unstructured documents.
- Built serverless data pipelines (Lambda, API Gateway, S3, DynamoDB) with infrastructure as code (CloudFormation, CDK) and GitHub Actions CI/CD.

Python · AWS (Serverless, Lambda, CloudFormation, API Gateway, DynamoDB, S3, SNS, SQS) · React · TypeScript · Docker · GitHub Actions · PostgreSQL · Django · FastAPI

Client project · C#, .NET Framework, ASP.NET Core, Azure

Nov 2023 – Jun 2024

- Architected and optimized C#.NET backend services on Azure, leading code reviews and engineering best practices.

Tech Lead

Jan 2022 – Nov 2023

- Led a team of 5 developers, taking client projects from requirements and system design through delivery.
- Architected and deployed serverless systems on AWS with SAM, CloudFormation, and ECS.

Python · AWS · Serverless (SAM) · CloudFormation · DocumentDB · ECS · GitHub Actions

Senior Fullstack Engineer

Jan 2020 – Jan 2022

- Profiled and refactored legacy systems to remove performance bottlenecks and cut maintenance costs.
- Designed and built REST APIs with Python/Django.

Python · Django · React · FastAPI · Celery · Jenkins · PostgreSQL

Fullstack Engineer

Jul 2017 – Dec 2019

- Built features for two of the world's largest banks and migrated legacy systems to modern architectures with PHP/Laravel, Vue, and React.

PHP · Laravel · JavaScript · Angular · Vue.js · Docker · PostgreSQL · Jenkins

Stone Pagamentos · Fullstack Engineer

Nov 2016 – Jul 2017 · Rio de Janeiro

- Built Go REST APIs for the merchant services platform, shipping features used by over 100,000 clients monthly.

Go · Node.js · AngularJS · PostgreSQL · Docker · Redis · Microservices

Anchor Loans LP · Backend Engineer

Aug 2015 – Nov 2016 · Remote

- Built the core product and a real-estate crawler with Python (Django, Pyramid) and MongoDB to help investors spot opportunities.

Python · Django · Pyramid · MongoDB · AWS EC2

Perspectiva.in · Fullstack Engineer (Contract)

Jan 2015 – Nov 2015 · Remote

- Built a SaaS that automates social interaction between businesses and clients, including Instagram API integration.

PHP · Yii2 · PostgreSQL · MongoDB · JavaScript

Fidelize · Fullstack Engineer

Jun 2013 – Aug 2015 · Rio de Janeiro

- Built order-processing crawlers, a SugarCRM integration, and EDI software with PHP/Yii.

PHP · Yii · PostgreSQL · JavaScript · Ionic

SKILLS

Languages: Python, TypeScript, JavaScript, SQL, C#, PHP, Go

Frameworks: Django, FastAPI, Flask, React, Vue.js, ASP.NET Core, Laravel

Cloud: AWS (CDK, CloudFormation, SAM, Lambda, ECS Fargate, Aurora Serverless, S3, SQS, API Gateway, Cognito), Azure

AI: Amazon Bedrock, LLM agents, semantic search (pgvector), Tesseract OCR

Databases: PostgreSQL, MongoDB, DynamoDB, Redis

Tools: Docker, GitHub Actions, Jenkins

EDUCATION & CERTIFICATIONS

Bachelor's Degree in Computer Science, UERJ (2011 – 2015)

AWS Certified Developer – Associate · AWS Certified Cloud Practitioner · TCF Canada: CEFR C1 listening, C2 reading, B2 speaking, B2 writing