

Guilherme *Latrova*

Senior Full-Stack Engineer · AI-First

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“Outstanding, the very best of the team.”

CTO AT ZAK, IN MY PERFORMANCE REVIEW

PROFILE

I build products that ship. A decade of **Python in production**, from real-time kitchen systems to security platforms crunching terabytes, and today I build **AI-first systems** end to end: LLM pipelines and agents with tool calling, background jobs, retries and idempotency. I work **AI-first**, with coding agents as my default.

Founding engineer, acquired
twice

Silk → Armis → ServiceNow (\$7.75B)

Fortune 500 customers

Aetna, PayPal and more

10 years shipping

at early-stage US startups

01 — EXPERIENCE

AI Engineer & Founder · Independent AI Products

✦ GENERATIVE AI

Feb 2026 — Present

- Launched two **AI video products** solo: dayvid.ai and Vibe Videos.
- Orchestrated **multi-model LLM pipelines** with fallbacks and **schema-enforced outputs**.
- Built **LLM evals**: blind A/B across models plus multimodal QA before render.
- Made renders **11x faster and 19% cheaper** by benchmarking GPU vs Lambda.
- Cut projected AI cost per video **~10x (\$15 → \$1.50)** via per-stage token analysis.
- Shipped an **OAuth 2.1 MCP server** and a tool-calling agent that edits videos.
- Built personal **AI agents** (Claude Code + MCP) automating email, invoicing and publishing.
- **8,000+ commits in 8 months** driving parallel **Claude Code** and **Codex** agents via Orca, kept production-grade by custom skills, AI code review and thousands of tests.

TypeScript Next.js React PostgreSQL AWS Lambda SQS Cloudflare Terraform OpenAI Gemini
MCP Claude Code

Founding Software Engineer · Silk Security

○ CYBERSECURITY

Jun 2022 — May 2026

- Joined as **3rd engineer**; built the product from first release to acquisition.
- Integrated **~100 security vendors** (CrowdStrike, Tenable, Veracode and more).
- Eliminated production throttling in API clients serving **millions of requests/day**.
- Rebuilt CDK as multi-environment infra; launched the **EU region** and isolated **gov** environments.
- Connected self-hosted customer tools (GitHub Enterprise, SonarQube) via an **on-prem broker**.
- Cut CI test time **60% (12 → 5 min)** by parallelizing pytest on GitHub Actions.
- Data snapshots cut customer bug reproduction from **3 days to hours**.
- Incremental sync over terabytes cut dashboard lag from **48h to 3h**.
- Routed alerts to the owning engineer via structured logging, reducing MTTR.
- Built **AI-assisted incident triage**: a Claude Code workflow that analyzes sync failures across 8 production regions and recommends fixes.

Python FastAPI TypeScript React Go MongoDB AWS CDK Celery

Senior Software Engineer (Full-Stack) · Lumos Identity

May 2021 — May 2022

CYBERSECURITY

- Replaced manual infra changes with PR-based Terraform + Atlantis.
- Owned AWS infrastructure for production and development.
- Fixed slow queries and locks on Postgres at millions of rows/day.
- Expanded Datadog alerting to catch bugs before customers did.

Terraform Atlantis AWS Postgres GraphQL Datadog React TypeScript Python

Tech Lead · Zak

RESTAURANT TECH

Feb 2020 — Apr 2021

- Promoted to Tech Lead within months; rated Outstanding.
- Led two business units, Kitchen Ops and Logistics (~3 engineers each).
- Architected the first microservices (Kafka, Protobuf) on Kubernetes in production.
- Rebuilt the kitchen software: 1.0 in 2 months, 2.0 in every hub that quarter.

Python Node.js Kafka Protobuf Kubernetes Terraform Microservices

DevOps Engineer · FineTune

EDUCATION

Apr 2018 — Mar 2020

- Launched a new online exam product on EKS from scratch, fully in Terraform.
- Migrated 50+ Terraform stacks across 12 environments to Terraform 0.12 in about two weeks.
- Managed AWS and 22 GitHub repos as code with Terraform, enforcing reviews.

Terraform CloudFormation Ansible Kubernetes AWS ECS Lambda CircleCI Microservices

Software Engineer · Easy Technology

HEALTHCARE

Nov 2016 — Apr 2018

- Led a team of 5 automating tests on a legacy codebase, catching bugs before production.
- Tryceratops: Python linter enforcing exception-handling and logging best practices. Rules adopted by Ruff, 400+ GitHub stars.
- Gracy: Python HTTP client library for resilient third-party API integrations. 200+ GitHub stars.
- Responsible disclosure: reported a SQL injection exposing 25,000+ SSNs (IBM hackathon).
- Writing on gucommits.com: Python code quality, fast CI with pytest, AWS with Terraform.

Languages

TypeScript JavaScript Python SQL

Web & Backend

React Next.js Node.js Django Flask FastAPI tRPC Celery Kafka Protobuf Microservices Event-driven

Databases

PostgreSQL MySQL MariaDB MongoDB DynamoDB Redis Supabase

Infrastructure

Terraform AWS CDK CloudFormation Atlantis Ansible Docker Kubernetes (EKS, kops)

Cloud & CI/CD

AWS GCP Cloudflare Vercel GitHub Actions CircleCI

Testing

pytest Vitest Playwright

Observability

Datadog New Relic Sentry OpenTelemetry PostHog

Security

SOC 2 GDPR least-privilege IAM

AI

ChatGPT Claude Claude Code Codex OpenAI API Gemini AI agents MCP Tool calling Structured outputs Prompt engineering LLM evals

B.S. in Information Systems

2013 — 2016

02 — OPEN SOURCE & WRITING

03 — SKILLS

04 — EDUCATION