

Gustavo Hammer

Senior Full-Stack Software Engineer — Go, Python, React & TypeScript

guhhammer@protonmail.com | +55 41 98825-2533 | github.com/guhhammer | guhhammer.dev

Curitiba, PR, Brazil — Latin America | Remote / Independent Contractor

PROFESSIONAL SUMMARY

Full-Stack Software Engineer with 7+ years of experience delivering production web systems across frontend, backend, data and infrastructure. Strong hands-on experience with **Go, Python, React, TypeScript, JavaScript and SQL**. Track record of turning engineering work into measurable outcomes: **30–50% backend performance improvements, ~40% faster insight generation, ~35% reduction in manual workload, ~25% lower AI API costs, and ~30% faster feature iteration**. Experienced with AI/LLM integrations, microservices, Docker/Kubernetes, relational databases, API design, code review and independent end-to-end delivery.

IMPACT HIGHLIGHTS

Performance	30–50% improvement in backend service performance through Go/Python architecture and optimization.
Automation	~35% reduction in manual workload by integrating LLM-powered automation into SaaS workflows.
AI Analytics	~40% faster insight generation through AI-driven data analysis workflows.
AI Cost	~25% reduction in API/inference costs while maintaining output quality.
Delivery Speed	~30% faster feature iteration through reusable AI integration and automation layers.
AI Reliability	~25% reduction in AI-output error rates through monitoring and observability.

PROFESSIONAL EXPERIENCE

Senior Software Engineer — AI & SaaS Integration

Independent / Freelance | November 2025 – Present

- **Reduced manual workload by ~35%** by integrating OpenAI and Anthropic LLM APIs into SaaS products and automating repetitive business workflows.
- **Improved insight-generation speed by ~40%** by designing and deploying AI-driven data-analysis pipelines that transformed application data into actionable outputs.
- **Cut AI API/inference costs by ~25%** through prompt optimization, inference-pipeline improvements and more efficient LLM usage while maintaining output quality.
- **Accelerated feature iteration by ~30%** by building reusable AI integration layers and automation components instead of implementing isolated integrations per feature.
- **Reduced AI-output error rates by ~25%** by adding monitoring and observability around model outputs, making failures easier to detect and diagnose.

Senior Software Engineer

Via Nova | April 2019 – October 2025 | 6+ years

- **Improved backend performance by 30–50%** by architecting and optimizing services built with Go and Python, focusing on execution paths, service design and bottleneck removal.
- **Delivered full-stack web applications** with React, TypeScript, JavaScript, Node.js and PostgreSQL, owning functionality across browser UI, API/service layers and persistence.
- **Improved operational efficiency** by optimizing relational database schemas and SQL queries across legacy and modern systems, reducing unnecessary database work and improving application responsiveness.
- **Increased system scalability** by evolving backend services toward service-oriented/microservice patterns and separating application responsibilities where appropriate.
- **Improved maintainability and engineering quality** through code reviews, technical guidance and identification of technical debt across production systems.
- **Improved delivery predictability** by working directly with product managers to clarify requirements, break scope into executable pieces and drive cross-functional projects through completion.
- **Expanded product capabilities** by integrating Solidity/EVM blockchain functionality into multiple production Web3 applications alongside conventional web systems.

Junior Software Developer / Research Assistant

Pontifícia Universidade Católica do Paraná (PUCPR) | January 2018 – December 2023

- **Structured complex knowledge domains** through ontology and knowledge-representation research, applying semantic modeling techniques to define and categorize data.
- **Built an early foundation in AI-oriented data representation** through research performed before mainstream adoption of modern LLM systems.

TECHNICAL SKILLS

Languages: Go, Python, TypeScript, JavaScript, Rust, Solidity, SQL

Frontend: React, Next.js, HTML5, CSS3, Tailwind CSS, SPA development

Backend: FastAPI, Node.js, NestJS, REST APIs, GraphQL

Architecture: Microservices, distributed systems, system architecture, API design, performance optimization

Data: PostgreSQL, SQL, relational schema/query optimization, Firebase, BigQuery, Redis

AI / LLM: OpenAI API, Anthropic Claude, LLM integration, prompt engineering, automation pipelines

DevOps / Cloud: Docker, Kubernetes, CI/CD, GitHub Actions, Linux

Engineering: Unit/functional testing, code review, technical mentorship, Agile/Scrum

EDUCATION & CERTIFICATIONS

Bachelor of Science in Computer Science — Pontifícia Universidade Católica do Paraná (PUCPR), January 2018 – August 2022
GPA 4.6 / 5.0 — Recipient of the Marcelino Champagnat Award for highest-ranked GPA.

IBM DevOps and Software Engineering Professional Certificate — IBM, August 2025 – September 2025

LANGUAGES & PORTFOLIO

English: Native / Fully Fluent | **Portuguese:** Native / Fully Fluent | **Spanish:** Conversational | **German:** Conversational

GitHub: github.com/guhhammer | **Website:** guhhammer.dev