

# GUSTAVO ANDRADE

Senior Full Stack & AI/LLM Software Engineer

Natal, Brazil • Open to Remote (Worldwide) • +55 84 99925-4980

contato@gustavoandrade.net • [github.com/ghsa](https://github.com/ghsa) • [linkedin.com/in/gustavohsandrade/](https://linkedin.com/in/gustavohsandrade/)

## PROFESSIONAL SUMMARY

---

Senior Software Engineer with 15+ years of experience building scalable full-stack systems and, more recently, production-grade AI/LLM applications. Experienced in working with distributed teams across Brazil, the US, and Canada.

## TECHNICAL SKILLS

---

**AI & LLM Engineering:** Retrieval-Augmented Generation (RAG), multi-agent systems, semantic chunking, vector search, embeddings, Amazon Bedrock, Google Gemini API

**Backend:** PHP, Laravel, Python, FastAPI, Django, Node.js

**Data & Pipelines:** Apache Airflow, MySQL, PostgreSQL, Redis, vector databases

**Infrastructure & DevOps:** AWS, Docker, Kubernetes, CI/CD pipelines, observability (Grafana)

**Frontend & Mobile:** TypeScript, React, Vue.js, React Native

## PROFESSIONAL EXPERIENCE

---

**Clearly Acquired** — Denver, CO (Remote)

*Senior Software Engineer* Mar 2025 – Present

*AI-driven M&A marketplace and financing platform for small and mid-market business acquisitions.*

- Designed and implemented an end-to-end Retrieval-Augmented Generation (RAG) system with semantic chunking and vector search, enabling reliable extraction of numeric data from complex financial documents used in M&A due diligence.
- Built a multi-agent AI platform with specialized sub-agents that analyze different financial data types, consolidating insights from large-scale document repositories into a single actionable view — accelerating deal screening and underwriting workflows.
- Integrated Amazon Bedrock and Google Gemini APIs into production workflows, comparing model performance and cost across different extraction tasks.
- Delivered new full-stack product features using PHP/Laravel and Vue.js, collaborating with a high-growth team on rapid, client-driven iterations.

*Tech stack: PHP, Laravel, Vue.js, Python, MySQL, PostgreSQL, AWS (Lambda, S3, Bedrock), Google Gemini API, vector search.*

**Aloware** — Los Angeles, CA (Remote)

*Senior Software Engineer* Apr 2024 – Mar 2025

*Cloud-based customer communication platform combining voice, SMS, CRM, and automation.*

- Built full-stack features powering core communication workflows, using PHP/Laravel on the backend and Vue.js on the frontend.
- Reduced backend database queries by 20% through systematic query profiling, refactoring, and caching — cutting production database load and improving response times.
- Implemented a self-hosted WebSocket system with Socket.io to replace Pusher, eliminating a recurring third-party cost and giving the team full control over the real-time layer.

- Enhanced DevOps pipelines using Docker, Kubernetes, AWS, and Redis, improving deployment reliability and scalability.

*Tech stack: PHP, Laravel, Vue.js, MySQL, Redis, Socket.io, Docker, Kubernetes, AWS (S3), Grafana.*

**Morsum** — New York, NY (Remote)

*Backend Software Engineer* Mar 2023 – Apr 2024

*E-commerce platform (Anchovi) integrating client ERP systems at scale.*

- Built and maintained data ingestion pipelines in Python and Apache Airflow, integrating new client ERP systems with the Anchovi e-commerce platform.
- Developed and maintained the company's internal CMS in Laravel Nova, used to manage all platform clients.

*Tech stack: Python, Apache Airflow, PHP, Laravel, Laravel Nova, MySQL*

**Netshow.me** — São Paulo, SP (Remote)

*Tech Lead* Jan 2019 – Apr 2023

*OTT streaming platform serving live events and on-demand video at scale.*

- Led the adoption of PHP Swoole in the company's Laravel-based OTT platform, leveraging concurrency to handle 5x more requests per pod with the same infrastructure footprint.
- Drove a series of backend optimizations that cut infrastructure requirements while sustaining higher traffic volumes during peak live events.
- Mentored engineers through code reviews, pair programming, and architectural discussions; led recurring knowledge-sharing sessions on the PHP/Laravel ecosystem.

*Tech stack: PHP, Laravel, PHP Swoole, MySQL, Redis, AWS, Docker.*

**ClickCard** — Remote

*Co-founder & Technical Advisor* 2018 – 2019

*Digital business card platform*

- Co-founded the company and designed the backend architecture and mobile application from scratch using Laravel and React Native
- Continue to partner with the CEO on product strategy, technical roadmap, and architectural decisions as Technical Advisor since founding.

*Tech stack: PHP, Laravel, React Native, MySQL.*

**Fala Síndico** — Natal, RN

*Co-founder & Software Engineer* 2013 – 2018

*Digital signage startup for residential buildings, deployed across 1,000+ screens.*

- Co-founded the company and led all technical development from day one, designing and building the platform architecture end-to-end.

*Tech stack: Python, Java, Android, PHP, MySQL.*

## EDUCATION

---

**Specialization — Mobile Application Development** 2015 – 2016 - *Universidade Federal do Rio Grande do Norte (UFRN)*

**Bachelor's Degree — Computer Software Engineering** 2006 – 2010 - *Universidade Potiguar (UnP)*

## CERTIFICATIONS & LANGUAGES

---

**Zend Certified PHP Engineer (ZCE)** — 2017 (Credential ID: ZEND028961)

**Languages:** Portuguese (Native) • English (Fluent, CEFR C1, tested 2025)