Transform Your Business with Intelligent and Scalable Software

Juan Guillermo Gómez
Google Developer Expert (GDE) in Firebase, GCCP & AI/ML | Software Architect | Educator

---

1. Professional Profile

I am Juan Guillermo Gómez, a technology expert combining strategic technical leadership with academic excellence. As a **Google Developer Expert (GDE)** across three key categories (**GCP, Firebase, and AI**), I offer a comprehensive vision spanning from cloud infrastructure to advanced Artificial Intelligence solutions.

I hold a **Master's in Software Engineering** and am currently pursuing a **Master's in AI and Data Science**. My experience includes roles as a Tech Lead, Software Architect, and Advisor for critical organizations (DANE, Imbanaco) and tech startups, where I have led transitions to microservices architectures and developed products reaching millions of users.

I also possess a strong educational vocation with over a decade of experience as a university professor and international speaker.

2. Value Proposition

My proposal bridges **Robust Software Engineering** with **AI Innovation**, backed by professional Google certifications and extensive pedagogical experience.

Key Certifications:

- **Google Cloud:** Professional Cloud Architect & Professional Cloud Developer.
- **AI & Data:** Professional Machine Learning Engineer (Google), Generative AI Leader (Google), Neo4j Certified Professional.

3. Consulting & Advisory Services

A. Software Engineering & Architecture (End-to-End)

From concept to production deployment. I transform business requirements into scalable, resilient technological solutions using modern architectural patterns.

- **Architecture Design:** Definition of SOA and Microservices architectures to ensure scalability.
- **Critical Software Development:** Advisory on building high-availability mobile and web applications.
- **Legacy Modernization:** Strategies for migrating monolithic systems to distributed modern architectures.
- **Quality & Patterns:** Implementation of software engineering standards, design patterns, and quality assurance.

B. AI Implementation (AI First)

Integrating ML, Deep Learning, and Agentic Systems into your business. Practical experience in deploying AI models that generate real value, moving beyond "hype" to functional implementations.

- **Generative AI & NLP:** Developing solutions capable of processing natural language for products with massive user bases.
- **Agentic AI Systems:** Designing autonomous agent-based systems capable of reasoning and executing complex tasks.
- **Machine Learning & MLOps:** Full ML lifecycle management, from data preparation to model training and deployment.
- **Data Analysis:** ETL strategies and inferential statistics for data-driven decision-making.

C. Google Cloud Platform (GCP) & Cloud Computing

Solid, secure, and scalable infrastructure. Infrastructure optimization as a GDE and Certified Architect.

- **Cloud Native Architecture:** Designing native solutions using Google Cloud managed services.
- **Backend as a Service (Firebase):** Rapid and secure backend implementation using the Firebase ecosystem.
- **Optimization & Costs:** Enhancing performance and optimizing cloud resource consumption.

4. Training & Team Development

Technology is only effective if teams know how to use it. I offer knowledge transfer based on years of university and corporate teaching experience.

A. Technical Mentorship

- **Tech Leadership:** Mentoring for technical leads and development teams to enhance management and technical decision-making skills.
- **Code Reviews:** Review sessions to elevate code quality standards.

B. Workshops & Training

- **Custom Training:** Practical courses in Software Architecture, Cloud Computing (GCP), and AI/ML development.
- **Innovation Workshops:** Intensive workshops on GenAI and integrating AI tools into development workflows.
- **Speaking:** Inspiring technical talks on the future of technology and AI trends.

5. Contact Information

- **Location:** Place (Mexico City / Colombia)
- **Email:** juan.gomez01@gmail.com
- **WhatsApp:** (+57) 317-4498336
- **Linkedin**: https://www.linkedin.com/in/jggomezt/
- **YouTube:** File