Diego Alejandro Flores Quintero

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Professional Profile

I am a Systems and Computer Engineer with experience in software development and technology project management. Passionate about innovation and collaboration, seeking opportunities to apply my technical expertise and soft skills in dynamic environments. Proficient in agile methodologies and collaboration tools, and adept at quickly adapting to new technologies, prioritizing efficient, high-quality solutions. I excel at bridging the gap between technical requirements and business objectives, leveraging strong analytical and problem-solving abilities to drive project success.

Education

See more

Universidad del Quindío February 2023 – Present
Systems and Computer Engineering *Armenia, Quindío*

Institución Educativa Gustavo Matamoros D'Costa January 2012 – December 2022
High School Diploma with Honors *Armenia, Quindío*

Work Experience

See more

Freelance Digital Developer October 2025 – Present
Self-Employed *Armenia, Quindío*

- Developed modern web applications using React, Next.js, and Spring Boot, integrating SEO best practices to maximize search rankings and digital reach.
- Designed and implemented robust backend solutions based on Clean Architecture and Microservices, ensuring system scalability and code maintainability.
- Managed the full software development lifecycle (SDLC), delivering high-performance, custom software solutions deployed on cloud infrastructure.
- Executed efficient API integrations and database optimizations, maintaining high quality and security standards across all projects.

Teaching Assistant for Mathematics and Programming August 2024 – November 2026
Universidad del Quindío *Armenia, Quindío*

- Taught supplemental lessons in Mathematics and Programming, clarifying doubts and reinforcing key concepts.
- Developed and solved practical exercises to strengthen the understanding of class topics.
- Provided academic support during tutoring sessions, improving student performance and motivation.
- Prepared study guides and materials to facilitate midterm and final exam preparation.

Virtual Assistant December 2022 – September 2025
Professor Mg. Will Yesid López Echeverri *Armenia, Quindío*

- Coordinated meetings and tasks using Slack and Zoom, ensuring agile and effective communication.
- Managed documents and projects through Microsoft Office, Google Workspace, and cloud platforms (OneDrive, Google Drive).
- Created digital content and websites using Canva and content management tools, boosting online presence.
- Implemented Notion for project management and produced educational videos.

Skills

Programming Languages: Java, JavaScript, TypeScript, Python, C++, SQL

Frontend: HTML5, CSS3, React, Next.js, Angular, Tailwind CSS, Bootstrap, Vite, npm

Backend & Frameworks: Spring Boot, Node.js, REST APIs

Architectures & Design Patterns: Clean Architecture (Hexagonal), Microservices, Event-Driven, MVC, MVVM, Layered, Singleton, Factory, Builder, Adapter, Facade, Decorator, Observer, Strategy

Databases: MySQL, PostgreSQL, SQLite, MongoDB

Cloud & Platform Services: AWS (IAM, CloudWatch, Serverless), Firebase, Supabase, Vercel, Netlify

AI Engineering & Data Science: LLMs, AI Agents & Agentic Workflows, MCP (servers, clients, transports), Tool Use, RAG, Vector Embeddings, Context & Harness Engineering, Prompt Caching & Evaluation, Model Orchestration, ML, Deep Learning, NLP, NumPy, Pandas, Matplotlib, Matlab, LaTeX

DevOps & Infrastructure: Git, GitHub Actions, GitLab CI/CD, Docker, Kubernetes, Postman, n8n, Make, Zapier

Design & Productivity: Figma, Penpot, Lunacy, Canva, Notion, Obsidian, Jira, Trello, draw.io

Methodologies: Agile (Scrum), Waterfall

Office Software: Microsoft Office, Google Workspace

Soft Skills: Effective communication, Teamwork, Project management, Problem solving, Adaptability, Mentoring

Certifications

See more

AWS Fundamentals: Cloud, Serverless, and Operations — September 2026
Commit Academy — *Virtual*

Building with the Claude API — August 2026
Anthropic Education — *Virtual*

Model Context Protocol: Advanced Topics — July 2026
Anthropic Education — *Virtual*

Artificial Intelligence Bootcamp — December 2025
Ministerio de Tecnologías de la Información y las Comunicaciones de Colombia — *Virtual*

Enterprise Full-Stack Development with Spring Boot and Angular — August 2025
Dev Senior — *Virtual*

LLMs and AI Deep-Dive Path — July 2025
Código Facilito — *Virtual*

Languages

Spanish: Native
English: Intermediate
French: Intermediate