

**MANUEL FRANCISCO NIETO ARIAS** Full-Stack Software Engineer | MERN & Architecture Specialist — Bogotá, Colombia | [+57 313251939] [ <nietosoftwaredeveloper@outlook.com> ] **GitHub:** [github.com/NietoDeveloper](https://github.com/NietoDeveloper) | **Portfolio:** [MANUELNIETO.NETLIFY.APP](https://MANUELNIETO.NETLIFY.APP)

**DISTINCTIONS & GLOBAL RANKING:** [  #1 Committer Colombia ] [  #4 South America ] [  GitHub Rank S (Top 0.2%) ] [  200 Days Streak ]

**PROFESSIONAL SUMMARY:** High-performance Software Engineer specializing in **MERN architecture**. Ranked as the **#1 developer in Colombia** (71,000+ profiles). Expert in building scalable industrial ecosystems, low-latency dashboards, and **Digital Twin (DT)** solutions. Mastery of **Next.js 15, TypeScript, AWS, and Docker**, driven by an unwavering discipline of **9,000+ annual contributions**.

**CORE TECHNOLOGIES:** **Backend:** Node.js, Express, MongoDB, PostgreSQL, RESTful APIs. **Frontend:** React (Compiler), Next.js 15 (App Router), TypeScript, Tailwind CSS. **Cloud/DevOps:** AWS (EC2, S3, Clusters), Docker, CI/CD, [Vercel](#), Railway, Git/GitHub.

**ACTIVE ECOSYSTEMS (DT PROJECTS)** | Project | Stack | Status | Key Deliverable | | :--- | :--- | :--- | :--- | :--- | | **Software DT** | MERN |  Production | Medical hub & automated booking system. || **Drone DT** | Next.js, AWS |  MVP | E-commerce & industrial control for Drone Factory. || **DT Dashboard** | Next.js, Docker |  Project | **Digital Twin**: Real-time digital replica & control. || **Emerald DT** | Next.js, SQL |  Dev | Industrial high-value asset management system. || **NurseWebSite** | Vanilla JS |  Live | Healthcare platform & professional portfolio. |

## TECHNICAL ACHIEVEMENTS

- **Elite Performance:** Globally ranked **Rank S (Top 0.2%)** on GitHub, reflecting superior code quality.
- **Engineering Discipline:** Unbroken **200-day commit streak**
- **Industrial Scalability:** Designed decoupled systems optimized for mass production on **AWS Clusters**.

**EDUCATION & LANGUAGES:** **Software Engineering:** 5.5 years of intensive technical development. **Languages:** English (B2 - 8/10 Proficiency) | Spanish (Native).

**MISSION STATEMENT:** I am committed to engineering world-class software that pushes the boundaries of automation. My goal is to apply my high-velocity output and architectural expertise to build mission-critical systems. Ready to deploy scalable, production-grade solutions for elite engineering teams.