

Nilson Aldair Molina Rengifo

Full-Stack Software Developer

nilsonmolina@outlook.com • +57 320 903 0250 • linkedin.com/in/nilsonmolina

Professional Summary

Full-stack software developer with over 5 years of experience designing and delivering web applications using Laravel, Vue.js, RESTful APIs, Docker, and relational databases (MySQL, PostgreSQL). Skilled in building efficient backend systems, deploying containerized services, and writing maintainable, test-driven code. Experienced in agile environments, migrating legacy systems, and improving software reliability through testing and clean architecture. Focused on delivering measurable value to users and teams.

Professional Experience

Software Consultant - Amaris Consulting, Bogotá, Colombia *Feb 2025 – Apr 2025*

- Launched over 8 user-facing features based on end-user requirements in a fast-paced agile environment.
- Resolved over 20 support tickets and reduced bug backlog by approximately 30% within the first month.
- Provided maintenance and optimization for key backend modules, improving response time by 20%.

Development Engineer - Pacaribe S.A. E.S.P., Bogotá, Colombia *Jul 2024 – Jan 2025*

- Implemented core business features in internal Laravel-based applications, impacting daily workflows for over 50 staff.
- Wrote and maintained more than 40 PHPUnit test cases, achieving approximately 80% code coverage and improving deployment confidence.
- Created technical documentation and collaborated with analysts to clarify and refine requirements.

Laravel Developer (Freelance) - FrenziApp *Feb 2024 – Apr 2024*

- Refactored backend logic and restructured API endpoints, reducing response times by approximately 35%.
- Dockerized the project environment, reducing onboarding time for new developers by 50%.
- Wrote integration tests and improved backend reliability with better error handling and input validation.

Laravel Developer (Freelance) — Ink Master Colombia *Aug 2023 – Feb 2024*

- Architected a custom CRM system with modules for inventory, clients, suppliers, and billing, used daily by over 10 staff.
- Reduced invoice generation time by 70% through automation and PDF generation.
- Implemented Docker support and test automation to streamline deployment and ensure reliability.

Computer Programmer — Solvo Global, Bogotá, Colombia *Sep 2022 – Jun 2023*

- Analyzed client requirements and developed tools supporting over 5,000 users.
- Reduced reported bugs by 45% through test-driven development and code reviews.
- Delivered four reusable modules that were adopted by other teams across the company.

Developer I — THOMAS MTI, Bogotá, Colombia *Apr 2021 – Nov 2021*

- Migrated an enterprise-grade application from Delphi to Angular/.NET, reducing maintenance costs by 50%.
- Collaborated in a team of three to revamp UI/UX and improve usability scores in internal feedback.
- Performed complex data migration scripts ensuring 100% data integrity across legacy systems.

Software Development Analyst — CLTech, Bogotá, Colombia *Jul 2019 – Feb 2021*

- Designed and implemented software aligned with ISO 15189 standards for clinical laboratories.
- Decomposed a monolith into a RESTful API-based system, improving scalability and reducing complexity.
- Led CRM module improvements that increased operational efficiency across three departments.

Software Developer — Recaudo Bogotá S.A.S., Bogotá, Colombia *Jul 2018 – Jan 2019*

- Developed a workforce scheduling system for over 1,500 employees, improving planning and resource allocation.
- Automated certificate and statistics generation, reducing manual workload by 40%.

Education

Bachelor's Degree in Systems Engineering

Expected 2026

Universidad Central — Bogotá, Colombia

Focus on software engineering principles, systems architecture, and information systems management.

Associate Degree in Analysis and Development of Information Systems

2019

Servicio Nacional de Aprendizaje - Bogotá, Colombia

Training in database design, web development, and project deployment.

Technical Certificate in Software Programming

2016

Servicio Nacional de Aprendizaje - Bogotá, Colombia

Introductory coursework in programming logic, algorithms, and desktop applications.

Training & Certifications

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| • Database Construction with MySQL | SENA (2025) |
| • Python: Variables and Control Structures | SENA (2024) |
| • Application and Service Deployment with Docker | SENA (2023) |
| • Web Development with PHP | SENA (2018) |

Technical Skills

Languages: PHP, JavaScript, SQL, Python (basic)

Frameworks & Libraries: Laravel, Vue.js, Bootstrap, jQuery

Databases: MySQL, PostgreSQL

Tools & DevOps: Git, Docker, Postman, PHPUnit, Swagger

Practices: RESTful APIs, MVC, Unit Testing, Agile Development, Dockerization