

Nelson Geovanny Molina Sangucho

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- GitHub: <https://github.com/GeovannyMolina25?tab=repositories>

Education

Universidad de las Fuerzas Armadas – ESPE

Quito, Ecuador

Computer Science – Software Engineering

2024

Thesis <https://repositorio.espe.edu.ec/items/d0954bb6-3fe6-4b51-9d59-84f59f24cf2b>

Relevant Coursework: Software Development, Artificial Intelligence, Web and Mobile Development, Databases, Computer Networks

HIGH SCHOOL - “Juan Montalvo”

Quito, Ecuador

High School Diploma in Sciences

2017

Experience

D’Brag Technology

Quito, Ecuador

Software Developer

Jan 2025 – Apr 2025

- Collaborated in the migration of a legacy Angular 8 application to Angular 19, ensuring backward compatibility and UI responsiveness.
- Developed and optimized SQL queries for generating dynamic reports based on relational database schemas.
- Designed and implemented RDLC reports to meet specific business requirements.
- Used Docker containers to streamline local development and deployment pipelines.
- Participated in Agile meetings and code reviews to ensure clean architecture and reusable components.

Sipro (Instituto Metropolitano del Patrimonio)

Quito, Ecuador

Software Developer

Oct 2024 – Jan 2025

- Maintained and extended functionality of an internal C# and ASP.NET application used for historical heritage management.
- Created complex SQL queries for cross-table data reporting in Microsoft SQL Server.
- Documented system workflows and collaborated in debugging modules across departments.
- Enhanced the user interface and implemented role-based access for better security and usability.
- Contributed to the Sipro2 project with new feature integrations and backend logic.

Vita Alimentos S.A.

Quito, Ecuador

Software Developer

Jun 2023 – Nov 2023

- Developed a digital activity log system in C# and ASP.NET, improving administrative efficiency by 30%.
- Performed preventive hardware maintenance and assisted in the configuration of computer networks.
- Coordinated deployment testing phases with the IT team and conducted user training for staff.
- Assisted in documenting IT infrastructure and proposed improvements to existing systems.

Thesis Project – Universidad de las Fuerzas Armadas ESPE

Latacunga, Ecuador

Software Developer

2022 – 2023

- Led a research and development project focused on person re-identification using AI and image processing.

- Managed a small team of developers, defined task responsibilities, and ensured timely delivery of milestones.
- Presented the project in university symposiums and received recognition for innovation.
- Integrated machine learning models using Python and OpenCV for facial recognition in real-world scenarios.

Leadership and Activities

Universidad de las fuerzas armadas ESPE

Quito, Ecuador
2023 – 2024

- Led thesis development team for AI-based person re-identification system
- Presented research outcomes at academic symposiums and university events

Skills & Interests

Technical Skills:

Programming: C#(Intermediate), Python (Intermediate), JavaScript (Intermediate), PHP (Intermediate), Java,

Web Development: HTML (Advanced), CSS (Intermediate)

Databases: SQL (Intermediate), Angular 18, React,

Tools: Git, Microsoft Office (Word, Excel, Access)

Operating Systems: Windows, Linux

Networking: Basic knowledge in computer networks

Languages:

Spanish (Native), English (B2)