

Demian Romero Bautista

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👤 DemianRom

Summary

Top-tier Computer Systems Engineering student at **ESCOM-IPN** (GPA: **9.72/10**) specializing in **SAP ABAP** development. Hands-on experience building **5+ enterprise-level applications** completed **TAW10/12** training focused on process automation and data efficiency. Proven technical leader and **competitive swimmer**, combining peak academic excellence with professional discipline.

Education

B. S. Instituto Politécnico Nacional (ESCOM), Computational Systems Engineering	Mexico City, Mexico Jun 2023 – Dec 2026
<ul style="list-style-type: none">• GPA: 9.72/10 (Ranked among the top students of the generation).• Core focus on Object-Oriented Design, Relational Databases (RDBMS), and Algorithm Optimization.• Specializing in Natural Language Processing (NLP) and Data Mining electives to drive AI-powered enterprise insights.• Applying advanced engineering principles to master the SAP ABAP TAW10/12 framework and Cloud integration.	

Experience

SAP Learning Hub (Official Training), Junior ABAP Developer Trainee	Remote Sep 2025 – Present 5 months
<ul style="list-style-type: none">• Mentorship under Omar Romero Aldana, applying enterprise-grade best practices in ABAP Workbench (SE80) and Data Dictionary (SE11).• Optimized data modeling via Transparent Tables, Views, and Search Helps; mastered Open SQL for efficient queries (JOINS, FOR ALL ENTRIES).• Developed Dialogue Programs (Dynpros) using PBO/PAI logic, Screen Programming, and complex Selection Screens.• ABAP Objects (TAW12): Engineered applications using Global/Local Classes, Interfaces, Inheritance, and Design Patterns.• Implemented Object-Oriented ALV Grid with custom event handling and mastered Exception Handling.	
Tlaliware (Startup/Project), Founder & Technical Director	Mexico City Dec 2024 – Jun 2025 7 months
<ul style="list-style-type: none">• Spearheaded strategic decision-making for product development and technology stack selection.• Managed cross-functional teams to align technical goals with business objectives.• Led project roadmapping and resource allocation to ensure timely delivery of solutions.	
ESCOM IPN Technical Projects, Software Engineering Student	Mexico City Jan 2024 – Present 2 years 1 month
<ul style="list-style-type: none">• SAP ABAP Interface Design: Developed custom transactional screens and ALV Grid reports following TAW10/12 standards.• Estudia-Pro (Web App): Architected a full-stack educational platform using Django (Python) and relational databases.• Java Chess Game: Developed a complete Chess game in Java leveraging advanced Object-Oriented Design Patterns.• IP Subnet Calculator: Created a high-precision VLSM calculator in Python capable of calculating unlimited subnets for complex network topologies.• Automata and Compiler Design: Developed a lexical analyzer in C to recognize and validate reserved keywords.	

Skills

SAP Development: ABAP Objects (**TAW12**), DDIC (SE11), Workbench (SE80), Dynpros (PBO/PAI), Open SQL, BAPIs, RFCs.

Programming: SAP NetWeaver, SAP GUI, GitHub, **Python (Django)**, **Java** (OOP), C, VHDL, SQL, HTML, **JavaScript**, CSS.

Networking: OSPF, Subnetting (VLSM), OSI Model, Wireshark.

Languages: English (Intermediate-Advanced), Spanish (Native).

Honors and Awards

- SAP Learning Hub Student Edition Verified (2026).
- Competitive Swimmer: Currently preparing for regional competitions; demonstrated high-level discipline.
- **Santander** Academic Excellence Scholarship (Becario de Excelencia Académica).