

Demian Romero Bautista

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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
• GPA: 9.72/10 (Ranked among the top students of the generation).	Jun 2023 – Dec 2026
• 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
• Mentorship under Omar Romero Aldana, applying enterprise-grade best practices in ABAP Workbench (SE80) and Data Dictionary (SE11).	Sep 2025 – Present
• Optimized data modeling via Transparent Tables, Views, and Search Helps; mastered Open SQL for efficient queries (JOINS, FOR ALL ENTRIES).	5 months
• 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
• Spearheaded strategic decision-making for product development and technology stack selection.	Dec 2024 – Jun 2025
• Managed cross-functional teams to align technical goals with business objectives.	7 months

ESCOM IPN Technical Projects , Software Engineering Student	Mexico City
• SAP ABAP Interface Design: Developed custom transactional screens and ALV Grid reports following TAW10/12 standards.	Jan 2024 – Present
• Estudia-Pro (Web App): Architected a full-stack educational platform using Django (Python) and relational databases.	2 years 1 month
• 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).