

JUAN ESTEBAN PUYO

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PROFESSIONAL SUMMARY

Systems Engineer with 4.5 years of experience working as a Software Engineer. I help companies to create and maintain identity management, protection and verification systems.

TECHNICAL SKILLS

Python, Django, PyQt6, MATLAB, C++, Parallel programming, Flutter, PL/SQL, MySQL, Git, GitHub, JIRA, Jenkins, Docker

LANGUAGES: Spanish (Native), English (C1 - IELTS 7.5), Italian (A2)

WORK EXPERIENCE

Intern, Software Engineer, IDEMIA

Jul 2021 — Feb 2022

- Modified facial recognition parameters for Colombia's national registry system using the ICAO Library for Portrait Quality (MRTD) in Spring Boot. Analyzed documentation, adjusted settings, and conducted thorough testing to ensure compliance and improved system accuracy.

Junior Software Engineer, IDEMIA

Feb 2022 — Jul 2024

Backend maintenance of the most important identity management system in Chile

- Developed a PLSQL script to process 10M+ records in the Chilean national database, automating ID status updates based on government rules and improving system efficiency.
- Updated Chilean document management system to include non-binary gender 'X'. Modified OSB for service orchestration and APIs, and developed PLSQL procedures for data validation, ensuring seamless integration and accuracy.
- Developed a Python script integrated with PL/SQL to automate the daily dispatch of over 100 emails to Chilean citizens. The script efficiently triggers email notifications.

Front-end Developer, Aprendizaje Profundo

Aug 2023 — Dec 2023

- Developed a high-performance web platform using Angular for the National Registry of Colombia to report election-related issues. I ensured scalability to handle over 500 concurrent transactions. I leveraged two-way data binding and dependency injection to deliver a responsive and maintainable solution.

Software Engineer | Movylab SAS

Oct 2024 - Present

Web system for managing medical rehabilitation and computerized gait tests. Django | HTML | CSS | PostgreSQL

- Designed and developed a high-performance web platform using Django to manage medical appointments and computerized gait analysis exams, integrating the Google Calendar API. Deployed the application on a Linux server using Docker for containerization, ensuring scalability and maintainability. Managed project timelines and documentation in Confluence, following Agile methodologies and utilizing JIRA for task tracking.

VOLUNTEER EXPERIENCE

World Campus Japan Global Education Program

Jun 2024 — Jul 2024

- Enhanced cross-cultural communication, teamwork, and leadership through immersive experiences in Japanese communities. Practiced Japanese language skills in real-life settings and collaborated on events showcasing art, music, and multimedia to connect with host communities.

EDUCATION

Universidad Central - Ingeniería de Sistemas. Bogotá, Colombia. 2018-2023

Universidad Nacional de Colombia - Diplomado en Ciencia de Datos. Bogotá, Colombia. 2023

Politecnico di Torino - MSc Computer Engineering - Automation and Cyber-physical systems. Present

LEADERSHIP, RECOGNITIONS & AWARDS

- HPC Research LAB: Assisted in the project SKTracks-Capture, a computer vision program for medical rehabilitation.
- COLFUTURO Scholarship Recipient: Selected for Colombia's most prestigious academic talent program, awarding full scholarships to top-tier professionals for postgraduate excellence abroad.