Juan López

IT Coordinator | Software Development & Data Automation

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I build data validation workflows and troubleshoot workplace technology at PenFinancial Credit Union. I use Python and SQL to prepare data for migration and produce reports for IT and Operations. My development projects include backend APIs and relational databases.

Experience

IT Coordinator | PenFinancial Credit Union · Welland, Ontario | May 2026 - Present

- Built a Python tool to automate address validation and give IT and Operations Excel reports for reviewing migration exceptions.
- Used SQL extracts and Python reports to investigate missing, duplicate and inconsistent records before migration.
- Troubleshoot Windows, Microsoft 365 and business applications for staff and document issues for follow-up.

Student Engagement Leader | Niagara College · Niagara Region, Ontario | Aug 2025 - Jun 2026

- Tracked student service requests, summarized recurring issues and coordinated follow-up with campus departments.

Front Desk Assistant | InterContinental Hotel · Cali, Colombia | Mar 2023 - Apr 2024

- Verified reservation and guest records and coordinated corrections with hotel departments.

Skills

Automation & data · Python (pandas, openpyxl), SQL, Excel, data validation, batch processing
Software development · C#, ASP.NET Core, React, REST APIs, Entity Framework Core, relational databases
IT support · Windows, Microsoft 365, issue triage, technical documentation

Selected Projects

Address Migration Toolkit | Professional project · PenFinancial Credit Union

Python · Google Address Validation API · Excel

Independently built a batch tool that integrated an address validation API to check and classify more than 122,000 address records. It produced Excel exception reports and could resume from saved checkpoints.

Movement Unlimited | Client project · Niagara College

REST APIs · SQL

On a five-person team building a platform for a healthcare client, I developed backend endpoints, relational data models and validation rules to support a move from spreadsheets to structured records.

CoTas | Web application project

C# · ASP.NET Core · React · SQLite

Built database-backed REST endpoints for creating and updating pet listings in a web application with a React frontend.

Education

Computer Programming and Analysis - Advanced Diploma

Niagara College | Welland, Ontario | Expected completion December 2026

President’s Honour Roll (Fall 2025) · Honours Standing (Winter 2026)

Volunteer Experience

Volunteer Technology Mentor | Cyber-Seniors | 2024 - Present

Help older adults troubleshoot devices and everyday apps through one-on-one guidance.