PEDRO VICENTE

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SKILLS

- *AWS / Azure*
- *SQL*
- *Python*
- *RESTFUL APIs*
- *JavaScript*
- *Node.js*
- *Linux*
- *Java*
- *Swift / Xcode*
- *Flutter*
- *MongoDB*
- *PostgreSQL*
- *Unity*
- *JIRA*
- *ClickUp*
- *Confluence*

Languages: **English** (Fluent), **Portuguese** (Fluent), **Spanish** (Fluent)

PROFESSIONAL EXPERIENCE

BMO Capital Markets   *Sep. 2022 - Present*
Software Engineer (System Architecture & Automation)   Toronto, Canada

- Architected and owned, existing and **0-to-1**, end-to-end **frontend** and **backend systems** for 3 **Web** and **Mobile** products (**Angular**, **React**, **Python**, **SQL**) hosted in AWS services (**EC2**, **S3**, **API Gateway**, **Lambda**).
- Designed and maintained a **performance** framework for distributed **Linux** batch jobs, leveraging **RESTful APIs** and **SQL** to measure system resource utilization, bottlenecks, while automating and streamlining validations by **48hrs**.
- **Led cross-functional teams** in **Agile** to translate business requirements into scalable **0-to-1 AWS microservices**, defining architectural standards and test data strategies (**S3**, **SQL**) that reduced integration and deployment inefficiencies.
- Conducted **POCs** and internal demos for new frameworks and tools, **documenting architectural blueprints**, **system designs**, and **implementation** strategies to present findings and recommendations to senior leadership to guide adoption decisions.

PocketClass   *Sep. 2024 - Sep. 2025*
Software Architect Consultant   Toronto, Canada

- Directed the **SaaS architecture** of **client-facing platforms**, **backend systems**, and payment pipelines (**JavaScript**, **Node.js**, **Firebase**), prioritizing scalability and security.
- **Implemented modular APIs** to support dynamic course management, real-time notifications, and analytics dashboards, improving platform responsiveness and feature scalability.

LEADERSHIP & AWARDS

BMO Solutions Hackathon 2025
- Selected by Directors amongst 12 teams composed of Senior leaders to lead the architecture and development of an internal system, presenting the working prototype and implementation strategy to leadership.

Scotiabank's IMI Big Data & AI Case Competition
- *Developed AI-driven solutions from Credit Risk datasets (Quarter Finals)*

EDUCATION & CERTIFICATIONS

University of Toronto	**AWS Certified**	**AWS Certified Solutions**
Bachelor's - Computer Science & Digital Enterprise Management	**Cloud Practitioner** (2024)	**Architect - Associate** (In progress)