

MATIAS PRADO

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PROFILE

Full Stack Developer with hands-on production experience building and maintaining an enrollment platform actively used by students and administrators across Peru. Specialized in Java 21 / Spring Boot backends and Next.js frontends, with practical exposure to OAuth2, CI/CD pipelines, and self-hosted cloud infrastructure. Algonquin College graduate seeking a junior or intermediate role in Ottawa or remote within Canada to contribute to a collaborative engineering team. Authorized to work in Canada (Post-Graduation Work Permit).

SKILLS

Languages: Java 21, TypeScript, JavaScript, C# (.NET), SQL, HTML5, CSS3

Frameworks & Libraries: Spring Boot, Spring Security, Next.js, React, Hibernate, JWT

Testing: JUnit 5, Mockito, Testcontainers, LocalStack (S3/R2), AssertJ, Spring Security Test

DevOps & Cloud: Docker, GitHub Actions, Git, Vercel, Azure App Service, Azure Blob Storage, Cloudflare R2, VPS (Dokploy / Traefik), Postman

Automation & Tooling: n8n, Gemini Code Assist, Prompt Engineering

Databases: PostgreSQL, Azure SQL

Soft Skills: Bilingual (English/Spanish), Technical Documentation, Mentoring

EXPERIENCE

Matriz Academy

Remote / Peru

Full Stack Developer (Contract)

Jan 2026 – Present

- Sole developer responsible for a production enrollment platform **servicing 100+ active students** and administrators; handles course management, payments, and user authentication end-to-end.
- Architected and implemented **Spring Security** with **Google OAuth2 and JWT**, enabling **stateless, role-based authentication** via HttpOnly cookies with **zero reported auth incidents** in production.
- Built a WhatsApp **automation bot** using n8n that **reduced** manual administrative **workload** by approximately **80%**, replacing a previously manual receipt verification and onboarding process.
- Established a full integration testing suite using **Testcontainers** and **LocalStack** to simulate PostgreSQL and Cloudflare R2 in ephemeral environments, achieving **consistent environment parity** between local and production.
- Delivered features autonomously across the full stack, from **REST API design** in Spring Boot to **UI implementation** in Next.js 16 following **Agile-style iterations** and shipping to production weekly.

Matriz Academy

Remote / Peru

Technical Instructor

Jan 2022 – Present

- Deliver weekly technical classes to **cohorts of 20+ students** at a university prep academy in Peru, covering applied computing concepts and logical problem-solving.
- **Tripled** student success outcomes from **5% to 15%** through structured curriculum design and one-on-one coaching.

PROJECTS

LMS Student Portal – Capstone (Algonquin College) | Java, Hibernate, React, PostgreSQL

Jun 2025 – Dec 2025

- Developed a full student enrollment portal as a capstone project; the architecture and lessons learned from this build directly informed the design of the current Matriz Academy production platform.
- Modeled complex many-to-many student-course relationships using Hibernate ORM, with query optimizations for concurrent read workloads.

Veterinary Management System | C#, ASP.NET Core, Azure SQL, GitHub Actions

Jan 2025 – Apr 2025

- Built a cloud-native management platform using **ASP.NET Core MVC** with **Azure SQL** for relational data and **Azure Blob Storage** for file management.
- Implemented a full **CI/CD pipeline** via GitHub Actions, automating deployment to **Azure App Service** on every branch merge.

EDUCATION

Algonquin College

Ottawa, ON

Advanced Diploma in Computer Engineering Technology (Software Development)

Sep. 2023 – Dec. 2025

CERTIFICATIONS

Microsoft Applied Skills: Develop an ASP.NET Core web app that consumes an API

2026