

Daniel Preciado Delgadillo

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Professional Profile

Software Engineer with experience in Python, PostgreSQL, and REST API development in production environments. Experienced in backend-frontend integrations, Linux deployments, and GitLab workflows. Currently focused on Java and Spring Boot backend development, including secure REST API design with Spring Security and JWT authentication, with interest in cloud and distributed systems architecture.

Professional Experience

Software Engineer

Agilezip — Aguascalientes, Mexico

December 2024 - February 2026

- Developed and maintained backend **APIs and business logic in Python** using Odoo.
- Collaborated in backend-frontend integration with **Angular and Ionic** applications consuming **REST APIs**.
- Analyzed data and debugged issues using **PostgreSQL (queries, logs, debugging)**.
- Managed **releases, merge requests, and code reviews** using GitLab.
- Performed manual deployments on cloud-based **Linux (Ubuntu) instances**.
- Collaborated in code reviews and validation of team deliverables.

Education

Bachelor's Degree in Computer Systems Engineering

Universidad Autónoma de Aguascalientes — Aguascalientes, Mexico

August 2020 - December 2024

- **Relevant coursework:** Software Development, Databases, Operating Systems, Computer Networks, Security.

Projects

- **E-commerce Store API (Apr 2026 – Present):** REST API built with Spring Boot and PostgreSQL for user, product, and order management. Implemented layered architecture, DTOs, validation, exception handling, transactions, inventory logic, and JWT authentication/authorization with Spring Security.
- **Tiny Compiler + IDE (Feb 2024 – Dec 2024):** Academic compiler in Python for the Tiny language with lexical, syntactic, and semantic analysis, plus a basic GUI for execution and error handling.
- **Blog Platform (Jun 2024 – Sep 2024):** Full-stack blogging platform with Angular, Express.js, and MongoDB, featuring a Medium-style editor, responsive UI, and REST APIs for user and post management.

Technical Skills

- **Languages:** Java, Python, JavaScript, Bash
- **Backend:** Spring Boot, Spring Security, Spring Data JPA, Hibernate/JPA, REST APIs, JWT authentication, Odoo, Node.js, Express
- **Databases:** PostgreSQL, MySQL, MongoDB
- **Infrastructure & DevOps:** Linux (Ubuntu/Debian), Docker, Docker Compose, GitLab, basic CI/CD pipelines
- **Frontend:** Angular, Ionic, backend-frontend integration

Languages

- Spanish — Native
- English — C2 (EF SET) | Certificate: <https://cert.efset.org/cQNzhH>