



## CRISTOFER MONTES LOZADA

Mexico City, Mexico



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### PROFESSIONAL SUMMARY

Backend-oriented software developer with experience building RESTful APIs using Java, Spring Boot, and SQL databases. Strong foundation in software engineering principles, data structures, algorithms, and database design. Interested in scalable backend systems, software architecture, and continuous improvement through modern development practices.

### TECHNICAL SKILLS

**Programming Languages:** Java (primary), JavaScript

**Backend Development:** Spring Boot, Spring Data JPA, Spring Security, RESTful API design, hexagonal architecture, layered architecture

**Databases:** SQL (PostgreSQL, MySQL, Oracle), database design (E-R Model and Relational Model)

**API & Data Handling:** API documentation (Swagger/OpenAPI), data structures (Java Collections API), error handling, bean validation, data serialization/deserialization

**Project Management and Development Methodologies:** Scrum, Monday.com

**Version Control & Collaboration:** Git (branching strategies, Git Flow, merge conflict resolution, pull requests, code reviews, conventional commits), GitHub, GitLab

**Tools:** Postman, IntelliJ IDEA, VS Code, Visual Studio Community, Gradle/Maven

**AI-Assisted Development:** GitHub Copilot, OpenAI Codex (code generation, debugging, refactoring, test generation)

### PROFESSIONAL EXPERIENCE

#### Backend Developer Intern at badak | Mexico City | September 2025 – May 2026

- Contributed to the development and maintenance of three customer-facing software projects
- Proposed technical solutions that were adopted and implemented within project deliverables
- Diagnosed and resolved backend application issues through debugging, log analysis, SQL queries, and browser developer tools
- Designed a relational database using Oracle SQL Developer Data Modeler
- Developed RESTful APIs using Java and Spring Boot, implementing business logic, request validation, and global exception handling
- Participated in code reviews and Git Flow workflows
- Produced API documentation using OpenAPI/Swagger
- Collaborated in Scrum-based development teams
- Contributed to reactive services using Spring WebFlux
- Assisted in the implementation of caching mechanisms using Caffeine
- Participated in database versioning and migration management with Flyway

### EDUCATION

**Bachelor of Science in Computer Systems Engineering | Instituto Politécnico Nacional | Mexico City**

Completed coursework, degree pending

### LANGUAGES

Spanish (native), English (upper-intermediate/B2 CEFR)

### SOFT SKILLS

Critical thinking, decision-making, teamwork, leadership, adaptability, time management, continuous learning, responsibility, effective communication, emotional intelligence