

Curriculum Vitae

Andres David Caicedo Marquez

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Professional Summary

Results-driven Python Developer with hands-on experience designing and deploying robust applications. Completed a Python Fundamentals course, gaining deep knowledge of Django, RESTful APIs, and object-oriented programming. Skilled in collaborating with cross-functional teams to deliver high-quality software aligned with Agile methodologies. Committed to writing clean, maintainable code and contributing to continuous improvement efforts.

Technical Skills

- Languages: Python, JavaScript
- Frameworks: Django, Flask, Django REST
- Web Technologies: RESTful APIs, GraphQL, web services
- Databases: SQL (PostgreSQL, SQLite), NoSQL
- ORM: Django ORM, SQLAlchemy
- DevOps & CI/CD: GitHub Actions, Docker, Git
- Testing: unittest (TDD, mocking, fixtures), pytest
- Programming Concepts: asynchronous programming (asyncio, multiprocessing), object-oriented design
- Cloud: Familiarity with AWS and GCP
- Agile: Scrum, Kanban

Languages

- English (Fluent)
- French (Fluent)
- Spanish (Native)

Formal Education

Universitaria Agustiniana

Bachelor's Degree in Mechatronics Engineering

Jan 2020 – Nov 2021

Grade: Completed up to the fourth semester

Activities and Societies:

- Mathematics: Calculus, Algebra, and Physics
- Fundamentals of Programming

Description:

During my studies, I focused on core subjects essential for solving engineering problems, such as Calculus, Algebra, and Physics. Additionally, I developed practical skills in programming, applying them to real-world mechatronic systems and software development tasks.

Python Fundamentals Course in Oracle and Platzi.

2021 - 2024

Professional Experience

Python Developer

PythonFundamentals Project (GitHub Repository)

Jan 2024 – Present

- Developed Django applications, including `products.models.Product`, `ProductFormView`, and `ProductListView`.
- Integrated external APIs: Banxico API, FreeIP API, and Stripe API for financial data and payment processing.
- Designed and implemented an interactive Battleship game using object-oriented programming principles.
- Built a modular banking system with currency conversion, robust error handling, and unit tests.
- Configured CI/CD pipelines with GitHub Actions and maintained code quality with flake8.

Highlighted Projects

- Django Coffee Shop: E-commerce app with product management and user authentication.
- Banking System: Secure transaction handling, currency exchange, and unit testing.
- Battleship Game: OOP game design demonstrating inheritance and encapsulation.

Additional Skills

- Collaborative development with cross-functional teams.
- Agile methodologies: Scrum and Kanban.
- Familiarity with cloud services (AWS, GCP).
- Excellent problem-solving skills and analytical mindset.

Additional Information

- Authorized to work in Canada; open to onsite settings.
- Passionate about contributing to inclusive, diverse, and collaborative work environments.
- Committed to continuous learning through professional development.

References

Available upon request.