

# Angel David Ruiz Barbosa

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## Profile

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Systems Engineering student at Universidad Nacional de Colombia (Bogotá) with hands-on experience in Python development, web scraping, and workflow automation (n8n). Skilled in software architecture, data extraction, and AI tools. Seeking a junior developer role where I can apply my technical skills to deliver scalable, real-world solutions.

## Education

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**Universidad Nacional de Colombia**, Undergraduate in Systems and Computing Engineering Feb 2023 – present  
– Bogotá DC

- Relevant coursework: Software Engineering, Data Structures, Algorithms, Databases, Computer Networks
- Expected graduation: 2028

## Experience

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**Junior Developer**, Unidad Informática – Facultad de Ciencias Económicas, Universidad Nacional de Colombia – Bogotá DC July 2025 – present

- Developed automated web scraping pipelines using Python (Beautiful Soup, Selenium) to extract and process data for internal reporting and analysis
- Built workflow automations using n8n to streamline repetitive administrative processes across departments
- Collaborated in the planning, design, and development of internal web applications to support academic and administrative operations

## Projects

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**Job Market Skills Analyzer (Web Scraper) – Bogotá DC** Nov 2025

A Python web scraper that extracts and analyzes the technologies and soft skills required for job offers in a specific location, organizing information in an Excel spreadsheet for data analysis.

- Built using Python, Selenium, and BeautifulSoup for automated data extraction from job posting platforms
- Processed and organized extracted data into structured Excel files using Pandas and openpyxl
- Enabled identification of trending technologies and soft skills by role and geographic location

**Personal Portfolio Website – Bogotá DC** June 2025

A personal portfolio website to showcase projects, skills, and professional experience.

- Developed using HTML, CSS, and JavaScript; deployed via GitHub Pages
- Designed with responsive layout for optimal viewing across devices

## Skills

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**Programming Languages:** Python, JavaScript, HTML/CSS, SQL

**Frameworks & Libraries:** BeautifulSoup, Selenium, Pandas, NumPy, PyTorch, openpyxl

**Tools & Platforms:** Git, GitHub, n8n, Linux, Excel (advanced), VS Code

**Concepts:** Software Architecture, REST APIs, Web Scraping, Machine Learning, Deep Learning fundamentals

**Languages:** Spanish (Native), English (B2 – Advanced), German (A1 – Beginner)

## Courses and Certifications

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1. HCIA-AI V3.5 – Huawei
2. Using Python to Access Web Data – University of Michigan (Coursera)
3. Introduction to Deep Learning with PyTorch – DataCamp
4. Data Analysis Using Excel Tools – Universidad Nacional de Colombia