Juan Ignacio Villanueva

Junior Web Developer | System Analyst | Computer Science Student

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Education

Universidad Nacional de Río Cuarto   Río Cuarto, Córdoba

Bachelor's Degree in Computer Science. GPA: 8.33/10   July 2026

- Relevant coursework: Data Structures and Algorithms, Operating Systems, Software Engineering, Databases, Computer Networks and Distributed Systems, Artificial Intelligence.
- Honors & Achievements: Competed twice in the International Collegiate Programming Contest (ICPC), regional level.

Stafford House International   London, UK

Advanced English Course (Level C1 CEFR)   February 2019 – March 2019

Study abroad experience focused on academic writing, public speaking, and multicultural communication.

Escuelas Pías   Río Cuarto, Córdoba

High School Diploma in Natural Science   December 2020

Developed strong analytical thinking, critical reasoning, and early interest in mathematics and computing.

Experience

Facultad de Ciencias Económicas, UNRC   Río Cuarto, Córdoba

Full Stack CMS Developer   February 2024 – Present

- Redesigned and modernized Moodle platform UI for 3,000+ users, enhancing usability and navigation consistency across modules.
- Automated backups and server upgrades with Bash/PHP scripts triggered by cron jobs, cutting downtime by 66%.
- Resolved server issues via SSH and tuned Apache/MySQL, raising availability from 98.9% to 99.8%.
- Implemented 3 custom Moodle plugins adhering to core standards, extending functionality for user notifications and faculty-specific workflows.

Projects

- **Claims Extractor** – LLM-powered structured data extraction from text using Llama 3.2.   *Python*
- **C-TDS Compiler** – Full compiler with lexer, parser, semantic analysis, and x86-64 codegen.   *C, Flex, Bison*
- **Distributed Lamport Chat** – Messaging system with Lamport clocks and ISIS total order broadcast.   *Python*
- **Ecosistema FCE PWA** – Production PWA for 3,000+ users integrating Moodle content.   *JavaScript*
- **Moodle Welcome Message** – Plugin for automated email, web, and push notifications.   *PHP*

Full portfolio: juani.me • *GitHub:* github.com/JuaniV2002

Skills

Programming Languages: Python, C, PHP, Dart, SQL, Bash.

Frameworks/Technologies: Flutter, Moodle LMS, Docker, Git.

Web Development: HTML5, CSS, JavaScript, Apache, MySQL, SEO.

Tools & Platforms: Linux, Firebase, GitHub Actions, SSH.

Languages: Spanish (native), English (advanced – C1 CEFR).