

Julio Enrique Vega Negrón

AI & Digital Systems Consultant | Technology Solutions Architect
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PROFESSIONAL PROFILE

Multidisciplinary engineer, technology strategist, data professional, and communicator who connects people, processes, data, and modern technology to build practical systems. Experience spans higher education, nonprofit organizations, government, analytics, Microsoft 365, educational technology, process automation, systems administration, and digital communications. Known for translating complex operational needs into clear dashboards, workflows, documentation, and sustainable solutions.

CORE EXPERTISE

Digital Systems Architecture	Data Analytics & Power BI	AI Workflows & Automation
SharePoint & Microsoft 365	Educational Technology & QA	Reporting & KPI Architecture
Process Improvement	Web Development & WordPress	Journalism & Communications

PROFESSIONAL EXPERIENCE

Team Lead, IT & Academic Systems Operations

2024 - Present

Northbridge University / NUC University Online Division

Lead and support curriculum operations, academic systems, SharePoint administration, institutional reporting, digital workflows, technology adoption, technical documentation, and cross-functional initiatives.

Data Analyst | Server Administrator | Digital Competencies Instructor

2021 - Present

Consorcio de Bibliotecas Metropolitanas (COBIMET)

Develop Power BI dashboards and reporting solutions; analyze organizational data; administer Debian environments; support KOHA implementation; create technical documentation and deliver digital-competencies training.

Residential Property Analyst / Field Appraiser

2015 - 2021

Osceola County and Orange County Property Appraiser Offices

Performed property valuation, market research, field inspection, GIS and geospatial analysis, comparable-sales review, and government assessment documentation.

SELECTED SYSTEMS & PROJECTS

Academic Operations Intelligence

Designed dashboard and workflow concepts connecting course status, workload, risk, roles, and decision support across curriculum operations.

Academic Document Quality Assurance OS

Developed a traceable review architecture with evidence-based findings, human validation gates, protected source-of-truth controls, and automation support.

DPC-RAM Assessment, Analytics & Reporting System

Architected a maturity-assessment environment spanning instruments, data, level matrices, analytics, dashboards, reporting, visualization, and automation.

Digital Access Migration & Reconciliation

Supported large-scale document and access-link migration using inventory reconciliation, exception handling, historical comparison, automated repair, and sample validation.

Document Automation & Rebranding

Built PowerShell and Open XML workflows for high-volume Word transformation while preserving hyperlinks, structure, and institutional formatting.

Digital Competencies Learning Experience

Supported learning-experience QA, Moodle implementation, SCORM readiness, learner communications, and alignment across a multi-module digital certification.

Padre Feliz & NeuroPixel - Active Development

Building a human-centered ecosystem spanning storytelling, podcasting, publishing, inclusive technology, interactive experiences, and family legacy.

GameJourney - Active Development

Developing a platform focused on gaming history, development, companies, creators, analysis, communication, and future media experiences.

JOURNALISM, SPORTS & COMMUNICATIONS

Journalism and digital communications experience dating to 2003, including sports reporting, radio hosting and production, direct work with athletes, digital publishing, audience engagement, research, statistical interpretation, spokesperson responsibilities, and human-centered communication.

Selected work: Radio Borinquen 1160 - Host & Producer; Central American and Caribbean Games Mayagüez 2010 - Digital Journalist & Web Consultant; University of Puerto Rico at Mayagüez - Webmaster, Journalist & Sports Statistical Analyst.

EDUCATION

Bachelor of Science in Computer Science, Magna Cum Laude

Interamerican University of Puerto Rico

Master of Business Administration (MBA), Marketing and Human Resources

Interamerican University of Puerto Rico

Bachelor of Science in Mechanical Engineering

University of Puerto Rico - Mayagüez

Graduate Studies in Digital Journalism

Universidad del Sagrado Corazón

TECHNOLOGY

Power BI · SharePoint · Microsoft 365 · Power Automate · Excel · SQL Concepts · WordPress · HTML · CSS · JavaScript · Python · Azure · Debian Linux · KOHA · GIS · ArcView · Adobe Creative Cloud · AI Workflows

PROFESSIONAL MISSION

I help organizations connect technology, data, people, and processes to build smarter systems, improve decision-making, recover time, and create sustainable digital transformation.