

Anisley Saez Villavicencio

Senior Software Engineer | Applied AI & Technical Leadership | Industrial & Internal Software Products

Houston, TX (open to remote/hybrid) | 786-608-2846 | anisley.sv@gmail.com | linkedin.com/in/anisleysv | github.com/anisleysv

Professional Summary

Senior Software Engineer with 7+ years building real-time industrial web applications, customized HMIs, mobile tools, and integrations (REST, Socket.IO, OPC UA, SQL) across 70+ industrial automation projects. Leads development work hands-on, translating operational needs and legacy constraints into application architecture, technical priorities, and reliable delivery. Bilingual English and Spanish.

Core Capabilities

Languages & Frameworks: JavaScript, Node.js, PHP, HTML, CSS, SQL, React Native, React

Delivery & Tools: Git, Azure DevOps, code review, integration validation, documentation

Platforms: Azure, Docker, VPN, on-premise servers

Leadership: Work prioritization, estimation, onboarding, technical coordination

Integration & Data: REST APIs, Socket.IO, WebSockets, OPC UA, JWT, MySQL, stored procedures

Domain: Industrial automation, HMI, OT/IT integration, internal products

Professional Experience

DPPS LLC / DePeuter Packaging Solutions

Senior Software Developer | Technical Coordination & Team Leadership

Houston, TX

Mar 2025 - Aug 2026

- Implemented a direct OPC UA client between the HMI backend and PLC OPC UA servers, eliminating a third-party application and approximately \$4,000 in licensing per project (\$24,000+ across 6+ deployments in 2026) while simplifying the architecture.
- Coordinated development work while carrying a hands-on workload: task assignment, estimation, priority sequencing, code review, progress tracking, and delivery-status visibility.
- Aligned software changes across the Infinite Industrial Automation suite (browser-based HMI, machine monitoring, recipe design, production reporting, mobile apps) with controls-engineering integration work.
- Developed REST API integrations and database-driven functionality connecting iOS and Android mobile applications with internal systems and project data.
- Strengthened remote-support security with VPN-based channels and a controlled network-access point for automated-system servers, reducing direct exposure.
- Defined application structures from user workflows and legacy constraints; led functional and integration validation after unit testing and initial deployments.

DPPS LLC / DePeuter Packaging Solutions

Web Developer

Houston, TX

Mar 2019 - Mar 2025

- Designed, developed, and maintained responsive web HMIs across 70+ industrial automation projects using JavaScript, PHP, HTML, CSS, Node.js, and Socket.IO.
- Guided the evolution of the Infinite Industrial Automation software with React and React Native, enabling configurable robot behavior for palletizing systems without PLC or robot program changes.
- Installed and configured WAMP and Node.js servers linking web HMIs with PLCs within SCADA architectures.
- Built MySQL stored procedures and complex queries for authentication, real-time, and historical data.
- Produced technical documentation for configuration, troubleshooting, and enhancements; managed version control in Azure DevOps.

Additional Experience

- Welocalize - QA Linguistic Tester / Grader, Houston, TX | Nov 2018 - Mar 2019. Evaluated voice-recognition and localized content against quality guidelines.
- University of Computer Science - Software Engineer & Assistant Professor, Havana, Cuba | Sep 2008 - Jan 2016. I coordinated a team of instructors holding master's and doctoral degrees during the development of a postgraduate program; taught classes in programming, software engineering, and databases.

Education, Development & Languages

Education: Master's, Educational Technology (2014) | Bachelor's, Computer Science (2008) | University of Computer Science, Cuba

AI Development: Prompt design, Python, RAG, Applied AI, Intelligent Workflow (September 2026 – Current)

Languages: Spanish (Native) | English (Professional Working Proficiency)