

Gustavo Santos-Angeles

Automation | Business Transformation | Technical Consulting | Digital Transformation | Project Management
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EDUCATION

- Saint Leo University, Saint Leo FL**
May 2023
MBA, Project Management
- Florida Polytechnic University (FPU), Lakeland FL**
May 2018
B.S. in Mechanical Engineering, Concentration in Advanced Engineering Topics
- St. Petersburg College (SPC) St. Petersburg FL**
2015
Associates in arts

CORE COMPETENCIES & TECHNOLOGY

- Business Transformation:** Digital Transformation | Technical Consulting | Process Improvement | Technology Strategy | Business Requirements | Change Management
- Project & Consulting:** Project Management | Stakeholder Management | Cross-Functional Leadership | Risk Management | Implementation & Rollout | User Adoption
- Enterprise Systems:** PLM | CAD | ERP | SAP | Teamcenter/NX | Systems Integration | Data Management | Data Migration | Data Governance | Oracle | ServiceNow
- Automation & Development:** RPA | AI/ML | API Integration | CI/CD | Cloud Technologies | UiPath | Power Automate | KNIME | GitHub | Jenkins | Kubernetes | Azure | Python | C++ | .NET | JavaScript

PROFILE

Business transformation and technical consulting professional with an engineering background and an MBA in Project Management. Experienced in leading cross-functional initiatives that connect business processes, enterprise technology, engineering, and manufacturing. Proven ability to translate complex requirements into scalable solutions that improve operational efficiency, standardization, and business performance.

PROFESSIONAL EXPERIENCE

Mettler Toledo - Lutz FL, November 2019 – July 2026

Automation Engineer
March 2025 – July 2026

- Led enterprise automation and digital transformation initiatives spanning engineering, manufacturing, IT, and business operations, translating operational requirements into scalable technology solutions.
- Managed projects from discovery and requirements definition through solution design, implementation, testing, deployment, and continuous improvement.
- Partnered with cross-functional stakeholders to identify process inefficiencies, evaluate technology options, and develop automation strategies that reduce manual effort and improve operational consistency.
- Designed and implemented automation solutions using UiPath, Microsoft Power Automate, KNIME, Python, Jenkins, JavaScript, Azure, and AI/ML technologies.
- Developed CI/CD and intelligent workflow solutions to improve deployment reliability, standardize processes, and accelerate delivery of enterprise applications and automation.
- Led manufacturing technology initiatives involving collaborative robotics, autonomous mobile robots, vertical lift systems, and CAD/CAM data integration to improve production workflows and process efficiency.
- Evaluated emerging technologies, APIs, cloud services, and AI-enabled solutions to determine their applicability to business and engineering processes.
- Served as a technical liaison between business stakeholders, engineering teams, IT, and technology vendors to align solution capabilities with operational requirements.

Senior Engineering CAD Administrator June 2022 – March 2025

- Led enterprise engineering transformation initiatives focused on CAD/PLM processes, engineering data, workflow standardization, system integration, and operational efficiency.
- Served as a technical consultant and subject matter expert, translating engineering and business requirements into system enhancements, automation opportunities, and scalable process solutions.
- Managed technology projects from requirements gathering and solution planning through development, testing, deployment, training, and organizational adoption.
- Led CAD/PLM integrations, software upgrades, custom development, and engineering workflow improvements while maintaining alignment with business objectives and operational requirements.
- Collaborated with global engineering, manufacturing, IT, and business stakeholders to standardize processes and improve the flow and integrity of engineering information across the organization.

SQL | VB | Dirac

› **Engineering & Quality:**
Inventor | SolidWorks |
AutoCAD | CAD APIs | iLogic
| Lean Six Sigma | DMAIC |
SOP Development | Quality
Management | Compliance
| DFM

› **Languages:** English |
Spanish

- Led cross-functional deployment and change management initiatives, developing implementation strategies and minimizing operational disruption during system and process changes.
- Developed standard operating procedures, training programs, and user enablement strategies to support technology adoption and sustainable process improvements.
- Identified opportunities to automate repetitive engineering processes and improve data quality, consistency, and user productivity through technology-enabled process transformation.

Mechanical Engineer

January 2021 – June 2022

- Led product development from concept, requirements, prototyping, validation, documentation, to production launch.
- Designed inspection system's balancing functionality, manufacturability, quality, cost, and production requirements.
- Collaborated with engineering, manufacturing, and suppliers to improve processes, evaluate materials, and standardize engineering data.
- Developed CAD templates, automation tools, and custom interfaces using CAD APIs to improve design workflows and productivity.
- Applied Design for Manufacturability (DFM) to optimize products for scalable production.
- Served as lead design engineer and project engineer coordinating cross-functional stakeholders and deliverables to production.
- Supported continuous improvement in process optimization, documentation, data standardization, and operational efficiency.

Engineering BOM Coordinator

November 2019 – January 2021

- Supported enterprise ERP system rollout, contributing to process implementation, system validation, data migration, and operational readiness.
- Performed process simulations and workflow analysis to identify system issues and improve efficiency during ERP implementation
- Managed engineering BOM data for custom and standard products, ensuring data accuracy, integrity, and manufacturability across global operations.
- Coordinated PLM-to-ERP data migration, ensuring accurate transfer of engineering information to manufacturing and fabrication teams.
- Collaborated with engineering, manufacturing, and business stakeholders to resolve system, data, and process discrepancies across product structures.
- Developed and standardized processes, documentation, and system workflows to improve consistency and operational efficiency.
- Supported Global data synchronization and process standardization across multiple manufacturing locations.

Pike Engineering, Lutz FL

Distribution Engineer

April 2019- November 2019

- Managed utility infrastructure projects from field assessment and requirements gathering through engineering design and project delivery for customers within the Duke Energy network
- Collaborated directly with customers, field personnel, engineering teams, and operations management to translate requirements into compliant and constructible distribution solutions
- Performed field assessments and engineering analysis o identify infrastructure improvements and develop grid hardening solutions for storm and environmental resilience.
- Coordinated project deliverables and communicated technical requirements across field crews, engineering teams, customers, and operations leadership to ensure projects were delivered on schedule and to required quality standards.