ANGELO ASCANIO

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EDUCATION

Universidad Central de Venezuela (UCV) Caracas, Venezuela
Mechanical Engineer (Ingeniero Mecánico) *Dec. 2014 – Dec. 2019*
- **Teaching Assistant (Preparador):** Selected for academic excellence to teach Fluid Mechanics & Differential Equations.

EXPERIENCE

FONDONORMA Caracas, Venezuela
Process Improvement & Automation Specialist *March 2023 – Present*
- **Full-Stack Operations System:** Architected an end-to-end registration and tracking system for the *"2025 Quality Forum"* (200+ attendees). Developed a **Flutter** mobile app and a **Google Apps Script** backend to validate administrative status against a real-time database.
- **Workflow Automation:** Engineered a suite of interactive **AcroForm (PDF 1.7)** documents for client intake; integrated these with internal calculation engines to automate audit duration and pricing estimates, reducing manual entry errors by 40%.
- **Business Intelligence Tools:** Developed **VBA-powered** reporting dashboards to monitor 250+ active ISO certifications, implementing automated alerts for deadline compliance and data integrity validation.
- **Performance Analytics:** Automated the Stakeholder Satisfaction workflow by linking Google Forms to a dynamic PDF generation engine, creating instant performance metrics for management review.
- **ERP Development (Odoo):** Currently leading the design and coding of a custom **Odoo** module (Python/XML) to digitalize the entire certification lifecycle, migrating complex ISO workflows into a unified database.

Intenso Digital C.A. (Grupo Intenso) Caracas, Venezuela
Production & Plant Engineer *April 2021 – Feb. 2023*
- **Plant Operations:** Served as the sole Engineer for an industrial facility with 50+ industrial machines; managed production planning, maintenance schedules, and QA departments.
- **Maintenance Strategy:** Designed and implemented a 5-year **preventative maintenance** structure, significantly extending equipment lifespan and optimizing budget allocation for spare parts.
- **Equipment Restoration:** Led the technical diagnosis, refurbishment, and reactivation of abandoned industrial equipment, successfully restoring lost production capacity without external capital expenditure.
- **Quality Assurance:** Established a QC system tracking Non-Conformities (NC) to analyze production errors statistically, driving a continuous improvement culture (Kaizen).

TECHNICAL PROJECTS

Proprietary QR Engine & Generator | *Python, PyInstaller, Computer Vision*
- Developed a standalone Python executable for secure, offline QR generation, eliminating dependency on third-party web services to ensure strict data privacy.
- Engineered a custom geometric module (**"Cross-Bar Module"**) by overriding the base `qrcode` library classes, blending circular and linear pathing for high-aesthetic industrial branding.
- Optimized for local deployment, allowing non-technical staff to generate high-resolution, custom-branded codes without internet connectivity.

ISO Certification Lifecycle Module | *Odoo, Python, PostgreSQL, XML*
- Architecting a custom ERP module to map the lifecycle of ISO certifications, automating workflow transitions from initial inquiry to final issuance.
- Developing relational database models to track auditor assignments, expiry alerts, and compliance milestones.

TECHNICAL SKILLS

Engineering & Standards: ISO 9001:2015 (Internal Auditor), ISO 14001, ISO 45001, Process Optimization, Preventative Maintenance.
Development & Automation: Python (Pandas, Odoo), VBA (Advanced/Macros), Google Apps Script, SQL, Flutter.
Digital Tools: PDF 1.7 AcroForms, Advanced Excel (Power Query), Git Version Control, ERP Implementation.
Languages: Spanish (Native), English (Professional Proficiency - B2/C1), Portuguese (Basic).