

RICARDO IRVIN ARCE DÍAZ

Hermosillo, Sonora

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OBJECTIVE

Passionate software engineer with experience in web development and system integration, aiming to further enhance user-focused web applications through innovative problem-solving and continuous learning.

EDUCATION

Bachelor's Degree in Mechatronics Engineering, Universidad de Sonora 2015 - 2021

SKILLS

Technical Skills	Python, XML, PostgreSQL, JavaScript, Docker, AWS, Odoo.sh, Git.
Soft Skills	Teamwork, Problem-solving, Communication skills, Time management.

EXPERIENCE

Software Engineer Beracah Médica	Oct 2023 - Present <i>Hermosillo, Sonora</i>
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- Modified Odoo's native checkout process to align with the company's business model, ensuring compliance with specific operational requirements.
- Contributed to the customization of the website design, implementing changes to align with the owner's vision and improve the user experience and branding consistency.
- Developed a custom Odoo module to automate product field updates based on spreadsheet data.
- Implemented optimizations and developed new Odoo modules to streamline processes, reduce bottlenecks, and improve efficiency.
- Contributed to the successful migration of the company's website from Magento 2 to Odoo Enterprise, handling domain redirection and implementing 301 redirects for all Magento 2 URLs to their new Odoo counterparts, ensuring seamless traffic transition and preserving SEO rankings.
- Created a cron job to update product prices in Magento 2 based on foreign currency fluctuations from suppliers, automating the process and improving pricing accuracy.
- Modified a serverless API on AWS, integrating with Odoo to automatically retrieve exchange rates and deliver them as messages in Slack.

Application Engineer Coinsamatik	Sep 2021 - Jun 2023 <i>Hermosillo, Sonora</i>
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- Built a C++ application to create, name, and add data to a text file, then send it to a server using a PLC, an HMI, and a flowmeter.
- Collaborated with a four-person team in installing, programming, and commissioning 30 variable frequency drives utilizing an HMI to operate a fish cooker.
- Developed an application to implement a totalizer for a flow meter installed in a pipeline, using a PLC, and an HMI to visualize the data.
- Collaborated with a two-person team in the installation, commissioning, and configuration of a drive using PID control functionality for pressure control of a pipeline that is used to irrigate golf courses.