



ORLANDO VIDAURRE

Mechatronics Engineer | Industrial Systems & Technical Service

CONTACT

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Essen, Germany
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LANGUAGES

Spanish
Native
English
Fluent
German
Conversational (B1)

EDUCATION

B.Eng. Mechatronics
UNITEC — Honduras
2014 — 2020
Focus:
Automation · Electronics ·
Mechanical Systems

CERTIFICATIONS & TRAINING

-Mechatronic Design Exchange
Program Universidad Politécnica de
Valencia (UPV), Spain 150 h · 2018
-Cisco Networking (CCNA)
-Full Web Development
-Laravel Advanced

TECHNICAL SKILLS:

INDUSTRIAL & ENGINEERING

- Preventive Maintenance
- Corrective Maintenance
- Troubleshooting
- Electromechanical Systems
- Electrical Systems
- PLC Siemens S7-1200
- TIA Portal
- Industrial Automation
- Electronic Diagnostics
- HVAC Maintenance

DIGITAL

- PHP / Laravel
- JavaScript
- MySQL
- REST APIs
- Git
- Linux

PROFILE

Mechatronics Engineer with hands-on field experience in industrial maintenance, electromechanical systems, automation and technical troubleshooting. Experienced in preventive and corrective maintenance, electronic diagnostics, PLC-based systems and root cause analysis through direct work with industrial equipment and complex electrical systems.

Combines this technical background with software development and system integration experience, bringing a multidisciplinary approach to problem-solving and continuous improvement. Motivated to contribute to advanced technical environments and quickly adapt to complex engineering systems.

WORK EXPERIENCE

Full Stack Software Engineer | Technical Consultant

Freelance — Self-Employed · Dec 2022 — Present · Remote / Worldwide

- Designed, developed and deployed custom software solutions using PHP, Laravel, JavaScript and modern web technologies.
- Analyzed customer requirements, translated technical needs into functional solutions and provided end-to-end technical support.
- Developed and integrated databases, APIs, authentication systems and third-party services for production environments.
- Managed Linux server environments including deployment, DNS/SSL configuration, SSH access and system maintenance.
- Applied troubleshooting and problem-solving skills to identify and resolve technical issues across software and infrastructure environments.

Technical Supervisor | Electronics & Power Systems

Electronica Leo · Jan 2020 — Sep 2022 · Santa Rosa de Copán, Honduras

- Led daily operations of an electronics repair workshop, including diagnostics, repair activities and quality control.
- Performed troubleshooting and root cause analysis on electronic and electromechanical equipment.
- Diagnosed and repaired power supplies, transformers, amplifiers, control boards and professional audio systems.
- Used measurement instruments, technical documentation and testing procedures to verify equipment functionality.
- Managed repair documentation, inventory control and technical processes.
- Performed HVAC maintenance, component replacement, welding and metal fabrication activities.

Industrial Maintenance & Electrical Supervisor

Fruit of the Loom (VFI) — Export Plant · Jun 2019 — Jan 2020 · Choloma, Honduras

- Performed preventive and corrective maintenance on industrial equipment, production machinery, conveyors, motors and electrical systems.
- Troubleshoot electrical, mechanical and automation failures to reduce equipment downtime and improve reliability.
- Programmed and maintained Siemens S7-1200 PLC systems using TIA Portal for industrial water pump automation and process control.
- Executed inspections, testing and equipment verification according to technical requirements and maintenance schedules.
- Supported continuous improvement initiatives focused on equipment availability, energy efficiency and operational reliability.
- Maintained industrial electrical installations, HVAC systems and power factor correction equipment.

KEY PROJECTS & ACHIEVEMENTS

PLC Water Automation: Designed and deployed a Siemens S7-1200 PLC automation system for industrial pump control, reducing manual intervention and improving process reliability at a major export manufacturing plant.

LED & Energy Modernization: Led a facility-wide electrical upgrade and full LED transition at Fruit of the Loom export plant, improving energy efficiency and reducing operational energy costs.

Peavey Authorized Technician: Recognized as a qualified repair specialist for Peavey professional audio systems, including amplifiers and sound reinforcement equipment, based on diagnostic accuracy and repair quality.

Full-Stack Web Platforms: Delivered multiple production-ready web and eCommerce systems using Laravel and modern frameworks, including payment integration, RBAC and server deployment.

Real-Time Restaurant Platform (AsiaWok): Built a full custom SaaS platform from scratch, including digital menu, real-time order tracking, email notifications, customer accounts, multilingual support (ES/EN) and payment integration.