

Richard Arce

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Automation and Control Engineer

Santiago center, Santiago de Chile



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ABOUT ME

Engineer with over 8 years of experience, specializing in maintenance management and execution, technical issue resolution, process improvement, and project execution. I have worked with international companies across various sectors, such as agricultural technology, diversified services, baggage management, elevator maintenance, and logistics. My work approach is based on Agile methodology, TPM, 5S, and risk assessment. I am an expert in identifying improvement opportunities and creating action plans, and I am highly skilled in taking on responsibilities that require my problem-solving experience and ensuring process quality.

EDUCATION

- (2017 - 2018) Engineering in Automation and Industrial Control, Universidad Tecnológica de Chile Inacap
- (2013 - 2015) Higher-Level Technician in Automation and Industrial Control, Universidad Tecnológica de Chile Inacap
- (2010 - 2012) High School Technician in Electronics, Liceo Industrial de Santiago EX-A 22

LANGUAGES

Spanish - Native
English - Intermediate
French - Basic

SKILLS

- Effective Communication
- Teamwork
- Critical Thinking and Attention to Detail
- Continuous Learning
- Complex Problem Solving
- Time Management
- Process Improvement
- Programming in Python, AppSheet, Visual Basic
- Programming in UR Robotic, Vworks Agilent, Thermo Fisher, Evoware Tecan, and Nexar LGC robots

REFERENCE

Jose Munoz Galdames, Syngenta Group
Genotyping Automation & Robotics Lead
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WORK EXPERIENCE

Automation Analyst, Syngenta Group *may 2019 - Present*

Responsible for ensuring operational efficiency and production quality in a laboratory equipped with robotic machinery, I led various key functions, including:

- Implementation of the TPM maintenance system
- Development of the annual plan and scheduling of preventive maintenance and its execution
- Improvement of the technical fault ticket system
- Installation and configuration of new equipment
- Creation of record systems and implementation of KPIs, managed from Power BI
- Inventory management of spare parts and assets
- Annual maintenance budget planning
- Coordination of national and international services and contractors
- Resolution of technical problems
- Management of local and global projects
- Documentation of processes, manuals, and protocols
- Direct supervision of one team member

Automation Technician, Compass Group *January 2016 - December 2018*

I participated in a project to update the electrical system of the internal area at the Stgo1 penitentiary, performing tasks such as:

- Electrical wiring work, recognition, and connection to panels and installations
- Installation of surveillance systems (CCTV)
- Replacement of lights with LEDs and installation of anti-vandal protections
- Roofing work, scaffolding management, and operation of lift machinery

Upon completing the project, I was chosen to be part of the electrical maintenance area, performing:

- Preventive and corrective electrical maintenance
- Responsible for providing support focused on food service by applying electrical, electronic, plumbing work, and ensuring service quality