Curriculum Vitae

Gabriel Rasguido Copa

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Eligible to work full-time in Ireland

Professional Profile

Industrial Engineer and Computing graduate with strong experience across manufacturing, testing, process optimisation, and engineering projects in high-tech and industrial environments. Currently working in rack server manufacturing and testing at Jabil, with hands-on expertise in troubleshooting, quality assurance, and continuous improvement (Kaizen, Lean). Strong analytical mindset combined with software and web development skills. A reliable team player with leadership experience, capable of working in fast-paced Irish manufacturing and engineering environments.

Key Skills

Rack Server Testing & Troubleshooting, Manufacturing & Assembly Operations, Quality Assurance & Inspection, Process Optimisation (Lean, Kaizen), Hardware & Cabling Standards, Data Analysis & Reporting (Excel, iFactory), Project & Engineering Coordination, Agile & Scrum Fundamentals, Team Collaboration & Communication.

Technical Skills

- **Testing & Quality:** Rack testing, verification, troubleshooting, rework procedures, iFactory system

- **Manufacturing:** Server and rack assembly, hardware integration, cabling, body check inspection

- **Programming:** JavaScript, TypeScript, Java (Spring Boot)

- **Front-end:** React

- **Databases:** MySQL

- **Tools:** Visual Studio Code, Microsoft Excel

Manufacturing / OP II

Jabil – Dublin, Ireland
August 2024 – Present

- Perform certified rack testing, executing system tests, diagnosing failures, and completing rework activities in line with test procedures.

- Use the iFactory system to record test results, analyse failures, and support test engineers during issue resolution.

- Conduct pre-quality inspections (Body Check Station) to verify build quality prior to testing, ensuring compliance with engineering specifications.

- Install and organise power and network cabling following technical drawings and quality standards, ensuring correct cable management.

- Assemble racks and integrate servers, storage units, and power supplies from initial build to final test stage.

- Identify assembly and hardware issues and perform corrective actions across multiple production stages.

- Actively participate in Kaizen and Lean initiatives to improve workflow efficiency and reduce defects.

- Collaborate closely with test engineers, quality teams, and supervisors to meet production and quality targets.

Skills Applied: Rack Testing & Troubleshooting, Quality Assurance, Hardware Testing, Lean Manufacturing, Data Analysis (iFactory, Excel), Server & Rack Assembly.

Industrial / Manufacturing Engineer support

Tecaltema – Bolivia
January 2020 – February 2023

- Planned and optimised engineering workflows, reducing project completion times by 15%.

- Led and coordinated a team of up to 10 technicians, improving productivity by 20%.

- Implemented cost-control and resource optimisation strategies, reducing operational costs by 10%.

- Designed and delivered solar energy projects, including a 10kW installation reducing client energy costs by 25%.

- Designed and tested inverter circuits and electrical systems for renewable energy applications.

- Performed preventive maintenance and troubleshooting on power controllers and energy systems.

- Integrated solar generation with battery storage solutions to improve energy efficiency and system reliability.

Skills Applied: Engineering Project Coordination, Process Optimisation, Electrical Design & Testing, Renewable Energy Systems, Troubleshooting, Data Analysis (Excel, SPSS).

Trainer & Researcher – Renewable Energy Systems

EECOGUZ – Bolivia
July 2019 – January 2022

- Conducted research on photovoltaic systems, achieving measurable improvements in system efficiency.

- Designed and installed autonomous solar energy systems, reducing energy costs for clients.

- Delivered technical training to new staff, improving technical competency and retention.

- Led the installation of 15+ photovoltaic systems, optimising performance based on solar radiation data.

- Analysed system performance using Excel and SPSS to improve stability and output.

Skills Applied: System Testing, Data Analysis, Technical Training, Electrical & Hardware Design.

Stock Control Assistant

Bago Laboratories – Bolivia
January 2018 – February 2020

- Managed high-volume pharmaceutical inventory with 99% stock accuracy.

- Improved logistics efficiency by optimising routes and delivery processes.

- Designed improved warehouse workflows, increasing productivity by 20%.

- Ensured compliance with safety and pharmaceutical handling regulations.

Skills Applied: Inventory Control, Supply Chain Operations, Process Improvement, ERP Systems, Excel.

Education

Higher Diploma in Science in Computing (NFQ Level 8)
National College of Ireland – Dublin
2023 – 2024

Bachelor of Industrial Engineering (NFQ Level 8)
Universidad Católica Boliviana San Pablo – Cochabamba
2019

Diploma in Industrial Mechanics
Instituto Técnico Infocal – Cochabamba
2016

Certifications & Training

- Lean Six Sigma Fundamentals – LinkedIn Learning

- Rack Testing & Body Check Station Certification – Jabil

- Pre-Assembly & Assembly Station Certification – Jabil

- Kaizen Process Improvement

- Agile & Scrum Methodologies

- Diploma in Project Management (PMI aligned) – UPB

Languages

- Spanish – Native

- English – Advanced

- Portuguese – Basic