EDGAR BARAJAS

TEST ENGINEER · ICT SPECIALIST

Zapopan, Jalisco · +52 1 33 1098 7852 · barajasulloae@hotmail.com · linkedin.com/in/edgarbarajas · https://edgarbarajas.me/

Test Engineer with over 10 years in electronics manufacturing. ICT specialist on Keysight i3070, Takaya and Teradyne, with hands on experience in test fixtures, calibration and process validation. Also a developer: builds the web applications and scripts that turn raw test logs into FPY, Yield and OEE reporting.

EXPERIENCE

GPV Américas México

Zapopan, Jalisco · 06/2026 to Present

Test Engineer

- Responsible for the entire ICT area (Keysight i3070, Takaya flying probe and Teradyne), keeping equipment available and measurements accurate across all production lines.
- Lead the test technician team and own the line test KPIs, driving corrective actions when yield or downtime targets are at risk.
- Built an internal application that reads test logs and calculates FPY, Yield and OEE automatically, replacing manual reporting.

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Guadalajara, Jalisco · 08/2022 to 06/2026

Test Engineer

- Technical specialist for the Keysight i3070 (HP3070) ICT platform, supporting clients across Mexico to keep their manufacturing lines running.
- Performed i3070 calibration, Strain Gauge studies and probe mark inspections to validate measurement accuracy, board flexure and test point integrity.
- Installed, debugged and maintained ICT and Functional test fixtures, including wiring and probe replacement.
- Developed a customer portal where clients review their fixtures and download test programs and deliverables.
- Built the company intranet and internal tools: employee certification tracking with expiry control, inventory, travel expense reporting, sales follow up, plus automated Coverage Report and CPK generation.

Jabil Circuit de México

Zapopan, Jalisco · 02/2015 to 08/2022

Test Engineering Technician Sr.

- Supported test equipment (MDA, AOI, AVI, FVT, FFT) and led the Diagnostic Technicians, keeping WIP within the allowed goal and aging targets.

Flex GDL South · Sanmina SCI

Tlajomulco de Zuñiga, Jalisco · 10/2012 to 02/2015

Diagnostic Technician

- Diagnosed and dispositioned daily failures to their corresponding processes.

TEST & MEASUREMENT

Platforms Keysight i3070 / HP3070, Takaya flying probe, Teradyne, MDA (Checksum), AOI, AVI, FVT, FFT

Test Process Fixture install and debug, i3070 calibration, Strain Gauge studies, probe mark inspection, root cause analysis

DEVELOPMENT

Web HTML, CSS, JavaScript, PHP

Scripting Python, Bash, Korn shell, PowerShell, Batch, CMD

Applications built Test log parsers for FPY, Yield and OEE, Coverage Report and CPK tools, customer portals, intranets, inventory systems

ENGINEERING

Methodologies Lean Six Sigma, preventive and corrective maintenance, statistical analysis, WIP management

Systems & Leadership Linux, Windows, MES, technical team leadership, client support and consulting

EDUCATION & CERTIFICATIONS

Telematics Engineering UnAD México, 2020 to 2025

Electronics and Communications Technician CETI Colomos, 2010 to 2015

Certifications Bronze Lean Six Sigma, Jabil · In-Circuit Test MDA Checksum · AOI Vitrox V510, SMTO · English, UVEG

Languages Spanish and English