



# JUAN GERARDO MEDELLIN IBARRA

Robles 777 Col. Villajacarandas  
C.P 27110  
Torreón, Coahuila  
Telephone. 871-285-3888  
Mobile. 871-275-9553  
E-mail: thegera4@hotmail.com  
Birth date: Jul / 3 /1987

## Education

### **Programming courses:**

Android Jetpack Compose Developer course by Denis Panjuta 2022  
Android and Kotlin Masterclass by Denis Panjuta 2021  
Android Firebase Masterclass by Denis Panjuta 2021  
Android programming with JAVA from 0 by Jose Javier Villena  
And Alejandro Lora 2021

### **App Portfolio:**

Github: <https://github.com/thegera4>

Google play store:

<https://play.google.com/store/apps/developer?id=Juan+Gerardo+Medellin+Ibarra>

### **Master's degree:**

Instituto Tecnológico y de Estudios Superiores de Monterrey 2012 – 2014  
Quality systems and productivity

### **Bachelor's degree:**

Instituto Tecnológico de la Laguna 2005 – 2010  
Mechatronics engineering

## Professional Experience

### **Teacher** (Feb/2020 – Current)

- English teacher for high school and bachelor groups in UANE
- Industrial Engineering teacher in UAC for subjects like Quality and Project Management.

### **Lionbridge** (Jan/2020 – Current)

#### *ADS Assessor*

- Remote work (part time).
- Analysis of electronic marketing ads for several different customers.
- Judgement of electronic ads(show in different web pages), in order to group them by categories.

### **SMP Alabama** (Oct/2018 – Apr/2019)

#### *Manufacturing Supervisor*

- Response to customer concerns, claims and issues.
- Analysis of processes and implementation of containment, Permanent and preventive actions.
- Administration of operative personnel.
- Implementation of continuous improvement projects.
- Training and development of manufacturing personnel
- Manufacturing reports for managers.
- SMP Alabama is part of the same group that owns PKC Group, so this

## **Skills and software:**

Android studio (kotlin and java),  
XML, jetpack compose, Visual  
Basic.NET, SQL and SQLite,  
Google Firebase, Git, Github

Microsoft Office

ERP systems (SAP/PLEX)

Auto CAD

SolidWorks

CNC programming

Experience and knowledge in Lean  
Manufacturing, PokaYokes,  
KanBan, 5s, 8Ds, SMED, DOE,  
Problem solving tools, ISO-TS  
16949, Line balancing, Haccp  
system, TPM, GD&T, Program  
Management, automotive core  
tools: PPAP, PFMEA, SPC, MSA,  
APQP, Control Plan.

Visual Basic.NET, VB6, VBA, SQL

## **Languages:**

**Japanese:** Basic.

**JLPT Level 4 Certificate.**

**English:** Advanced.

**TOEFL IBT 91 / 120.**

**Spanish:** Advanced.

project was a special assignment for 6 months and it was a project about starting up (set up) the new SMP plant in Alabama.

**PKC Group** (May/2014 – Oct/2019)

*Quality Engineer / Quality Supervisor*

- Response to customer concerns, claims and issues.
- Analysis of processes and implementation of containment, Permanent and preventive actions.
- Administration of operative personnel.
- Training courses to team leaders such as Problem solving tools, AIAG Core tools, Risk analysis base on ISO 31000, 8D Methodology, IATF 16949, Optimization and line balance, lean manufacturing, etc.
- Coordination of sorting activities.
- Implementation of continuous improvement projects.
- Participation in SMP Alabama project in AL, USA. for 6 months
- Training and development of new quality engineers.
- 

**Henniges Automotive** Aug/2015 – Oct/2016

*Quality Engineer*

- Analysis of processes and implementation of corrective actions
- Implementation of continuous improvement projects.
- Supplier quotations and purchasing process.
- Setup of different processes involved in the car seal manufacturing.
- Quality Engineering support with launch of new programs
- Implementation of process and quality documentation.
- Training for operators and quality technicians.

**Delphi Diesel Systems** Sept/2013 – May/2014

*Process Engineer*

- Set-up of machining centers in order to help production with family change.
- Set-up, validation, and production start-up of 4 horizontal drills transferred from Turkey.
- Statistical process control studies and control charts upgrades.
- Creation and modification of machining program for prototype product.
- DOE project: reduction of burr size in a gun drilling operation.
- Participation in conferences with Delphi's Corporate engineers in order to review the planning of the new products development process.
- PPAP validation projects.
- Creation of PFD, PFMEA, PCP, and standard cell documentation.
- International experience with machine qualifications (validations).
- 

**Been Best Mexico (Motores John Deere)** Sept/2011 – May/2013

*New Products Machining Process Engineer*

- Machining process validation of 4 and 6 cylinder heads: new models.
- Installation and Validation of new machining fixtures and machining tools.
- Creation and modification of process sheets, control plan sheets, mechanical data sheets, PFMEAs, inspection sheets and work instructions.
- Statistical process control studies such as CPKs and control charts.
- RFQs, supervision of contractors, budget management, etc.
- ECN management and implementation of many engineering changes to products in production.
- Continuous improvement projects such as tool life improvement projects, assembly process projects for different components, etc.
- PPAP validation projects.

*Project Engineer*

- PLC & HMI programming (Allen Bradley, Siemens, Pilz, Phoenix Contact, Parker).
- SCADA (RSView 32) and visual basic applications programming.
  - Projects: PLC & Electrical control panel upgrade in expander line 1 at Johnson Controls Torreón, HMI upgrade in expander line 1 at Johnson Controls Torreon, electrical manual control panel in crankshaft machining line at MJD and installation and programming of panelview Plus 1000, industrial demonstration programming for new products, creation and update of documentation for new projects (user manuals and electrical schematics), update of plc program for a crankshaft grinding machine at EPC Torreon, shift register routine program for plc in leak testers at assembly line in Johnson Controls Torreon, upgrade to SCADA application in assembly line at Johnson Controls Torreón to show trends and production reports in excel through visual basic for applications, etc.