Abner Emmanuel Becerra Valencia

Mechatronic Engineer and Software Development Technologist

About Me

- Able to develop, manage and maintain technical equipment.
- High capacity for learning new technologies and activities.
- Great ability to work in team.
- Passionate about sports cars since birth.

Technical Skills

- Embedded Systems.
- IOT.
- HTML & CSS.
- Firebase.
- SQL.
- PLC´s.
- OBD II, CAN Bus & ECUs.
- C++, C#, Python, Javascript & Java.
- React Native & Android Studio.
- Hydraulic and Mechanics.
- LAN and WAN networks.
- AI and Artificial Vision.
- Microsoft office suite.

Soft Skills

- Proactive
- Flexible
- Problem Solving
- Technology interest

Languages

English: Advanced (B2) IELTS Certificate

Spanish: Native

Contact Info

Portfolio   **GitHub**

Linked in Abner Emmanuel Becerra Valencia

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Guadalajara, Jalisco, México.

Nationality: Mexican   Pasport: Valid

Marital Status: Single   Age: 24 Years old

Experience

- Station Assistant
  SITEUR, Jalisco | September 2020-September 2021
  - Make docs, supervise installations and passengers.

- **Technical Support**
  SITEUR, Jalisco | September 2021 - April 2022
  - Maintenance of infrared barriers, IP cameras, SCADA, networks, hydraulic and mechanical equipment, etc.
  - Supervise installation of 10 km of fiber optic network.

- Laboratory Assistant
  PROESA-ATOTECH, Jalisco | May 2022 - May 2023
  - Analysis and preparation of chemical solutions and coating metal sheets for electroplating.

- **Development Engineer**
  INNOVARIA, Jalisco | February 2024 - June 2024
  - Design, development, coding, testing and installation of telemetry, speed limiters and GPS systems for automobiles, through technologies such as CAN bus, ECUs, OBD II, C++, microcontrollers and electrical harnesses.

- **Mechanic** | August 2024 - Currently
  - Repair my BMW 118i, replacing parts such as sensors, valve seals, timing chain, steering arms and more, cleaning codes using an OBD scanner and measuring engine gaps.

Education

- Software Development Technologist I**GPA (3.3)**
  Centro de Enseñanza Técnica Industrial (CETI), Jalisco.
  August 2015 - June 2019
  - Develop an automatic fish feeder system and data monitoring, using Android Studio, sensors, microchips, Firebase and IOT.

- Mechatronics Engineering I**GPA (4.0)**
  Centro de Enseñanza Técnica Industrial (CETI), Jalisco.
  August 2019 - June 2023
  - Develop a functional scale elevator using Solidworks, a raspberry PI as a PLC, mechanisms and a 3D printer.
  - Develop an automated volumetric analysis system using React Native and Firebase.

Life goal:

Develop innovative projects for the automotive industry.