



# ALAN ARTURO MARTINEZ CASTRO

INFORMATION AND COMMUNICATION TECHNOLOGIES ENGINEER

## PROFESSIONAL PROFILE

Information and Communications Technology Engineer in training, with a strong interest in software development and technological solutions. Academic experience in programming, web and mobile development, databases, computer networks, and operating systems. Recognized for fast learning ability, teamwork, and technological problem-solving skills, applying a practical approach to the analysis and development of solutions.

I am characterized by my collaborative work style, as well as my ability to adapt to new tools and technological environments.

## EDUCATION

### Instituto Tecnológico de Aguascalientes

Information and Communications Technology Engineering  
2021 – 2026

### CEB 8/4 “Frida Kahlo”

Technical High School Diploma in Information and Communication Technologies  
2018 – 2021

## LANGUAGES

Spanish – Native

English – Intermediate

## CONTACT

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📍 Aguascalientes, México

Github <https://alancastrooo.github.io>

## WORK EXPERIENCE

### ACADEMIC PROJECTS

2022 – 2025

Sign Language Translating Hand (InovaTec) | University Project

- Development of a technological solution focused on accessibility.
- Implementation of processing logic and functional system testing.

### Other Relevant Projects

- Mobile application development using Android Studio.
- Web development with HTML, CSS, and JavaScript.
- Java application for inventory management.
- MySQL database implementation for sales control.
- Network simulation using Cisco Packet Tracer.

### ADDITIONAL EXPERIENCE

2021 – 2025

Customer Service and Event Staff

- Customer service and support in high-demand environments.
- Ability to work under pressure and coordinate with multidisciplinary teams.
- Real-time issue resolution to ensure customer satisfaction.

## TECHNICAL SKILLS

- **Programming Languages:** Java, Python, C#, C++, JavaScript, TypeScript
- **Web & Mobile:** HTML, CSS, JavaScript, React, React Native
- **Backend:** PHP, Node.js, .NET, REST APIs
- **Databases:** SQL, MySQL
- **Operating Systems:** Windows, Linux, WSL
- **Version Control:** Git, GitHub
- **IoT / Embedded Systems:** Arduino, ESP32, ESP8266
- **Tools:** Android Studio, Cisco Packet Tracer, Microsoft Office
- **Cybersecurity:** Cybersecurity fundamentals and application of best practices for system protection