

# Adair Bernal – Software Engineer

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## Summary

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I am bilingual in Spanish and English with a C1 certification in English. My technical skills include Python, Java, HTML, JS and CSS, Flutter/Dart. I am also familiar with Typescript, Angular, React, PHP, and .NET. I have contributed to the development of web and mobile applications, notably implementing a pioneering solution in the SIII project using Deepface, an open-source repository for facial recognition and analysis. This solution, developed in Flutter and Python with Flask, was praised by university academics. I possess a strong ethical and moral character and am deeply committed to teamwork and continuous improvement. My collaborative approach and leadership skills have enabled me to guide small teams towards achieving shared goals, always prioritizing the group's interests over individual ones.

## Skills

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- Programming Languages: **Python** | **Java** | **C#** | **JavaScript** | **Flutter** | **PHP** | **Rust** | **Typescript**
- Frameworks: **Django** | **Laravel** | **SpringBoot** | **ASP.NET** | **Angular** | **React**
- DB: **MySQL** | **PostgreSQL** | **MongoDB** | **Firebase**
- Technologies: **REST APIs** | **Sockets** | **Microservices** | **Linux** | **Git** | **Docker**

## Education

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- **BSc. Software Engineering, 2023**  
Universidad Autónoma de Sinaloa (UAS)

## Job Experience

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- **Znas.io**, Tucson, AZ, USA (Remote) | **Jr. Software Developer** | **November 2022 – Present** (1 year and a half)  
At Znas.io I've worked mostly on web development with multiple tech stacks, Node.js, MongoDB and JavaScript, to mention a few. With multiple satisfied customers and websites delivered, my contributions to each one of them have been notable.
- **IMCA**, Los Mochis, Sinaloa, MX | **Intern Software Developer** | **October 2023 – April 2024** (6 months)  
During my professional internship at IMCA, I assumed a key role around technical maintenance and customer support. I stood out for leading an innovative project built on Python and Flask, designing an algorithm for user satisfaction analysis. This project, which included recorded surveys and their subsequent analysis, resulted in a significant improvement in the user satisfaction evaluation process.
- **Ochoa Technology**, Los Mochis, Sinaloa | **Intern Fullstack Developer** | **September - February 2022** (6 meses)  
At Ochoa, I did an internship where I performed as a Fullstack Python and Django developer, I worked with database designing, MVC programming, as well as documentation.

## Other Job Experience

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- **CECSIN**, Los Mochis, Sinaloa, MX | **Part-Time English Teacher** | **June 2018 – Present** (6 years)

Over the years I have taught hundreds of students at CECSIN, many of whom have now gone on to work overseas or in the U.S. I have also developed lots of **soft skills** required for leading groups of people, settling quarrels, or simply performing better as a team. The skills acquired working as a teacher can easily be translated into any other job or field.

## Proyectos

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### **Sistema Inteligente de Identificación y Evaluación Emocional (SIIEE) | UAS | 2023 - Present**

Thesis project built on **Python** with **Flask**, featuring a UI made with **Flutter/Dart**. The focus is on computer vision, using the open-source **Deepface** repository for facial recognition and expression analysis in users during psychological assessments. This project is being developed in collaboration with experts, advisors, and evaluators.

## Hobbies

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- Learning new languages (Italian, French, ASL, Japanese, etc.)
- Making international friendships.
- Watching educational content: documentaries, educational videos, etc.
- Helping others understand complex topics.
- Singing and theater.
- Working out, going to the gym.
- Pop culture: video games, movies, TV series, anime, etc.
- Spending quality time with family and friends