



## PROFILE

Passionate about engineering with a deep love for technology and automation. This passion led me to study computer engineering and embark on an exciting career in the world of technology.

What excites me most is the ability to create innovative solutions that make life easier and more efficient. Whether designing intelligent algorithms to optimize business processes or developing applications that improve the user experience, I enjoy every step of the process of creating and solving problems.

## DATA

IDENTITY: 701960944

BIRTH: 14-03-1990

MARITAL STATUS: Soltero

## CONTACT

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## SKILLS

Problem-solving orientation, Critical and analytical thinking, Attention to detail, Ability to learn continuously, Effective communication, Teamwork, Proactivity and initiative, Time management and organization, Professional ethics.

# JUAN ALVAREZ PIEDRA

## Computer Systems Engineer

### EDUCATION

**Master's Degree in Information Technology Engineering with a major in project management**  
2021 - 2024

Degree focused on project management taught by Universidad Latinoamericana de Ciencia y Tecnología (ULACIT)

**Bachelor's Degree in Computer Engineering with an Emphasis on Software Development**  
2015 - 2024

Degree focused on software development taught by Universidad Latinoamericana de Ciencia y Tecnología (ULACIT)

**Bachelor's Degree in Computer Systems Engineering**  
2010 - 2013

Bachelor's Degree in Engineering taught by Universidad Latina de Costa Rica

### WORK EXPERIENCE

**BAC Credomatic – Data Engineer & Systems Analyst**  
2015 - 2022

Database administrator tasks in SQL Server, creation of stored procedures, functions and Jobs in SQL.  
In the BI (Business Intelligence) department, I then moved to the IT Department where I developed web applications for the BAC corporate intranet.

**INS Servicios – Mobile App Developer**  
2022 - 2024

Mobile Application Analyst job in Android.  
Creation of the Grupo INS application in the Google Play Store and Huawei (App Gallery) stores, my job consists of developing and programming the application, as well as publishing it in the stores.

**Móvil Multimedia S.A. – WEB Programmer**  
2011 - 2013

Work as a programmer, website and application developer.

### PROGRAMMING KNOWLEDGE

Knowledge of programming languages such as: JAVA, PHP, C++, C#, Python, JavaScript, JQuery, Angular, HTML5, CSS3.

Knowledge of database management:  
SQL Server, MySQL, SQLite, Oracle, PostgreSQL.

I also have experience working with agile work methodologies such as Scrum and Kanban (Jira, Azure).

## OTHER DEGREE STUDIES

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- Web Application Development with ASP.NET Core at CENFOTEC ([see title](#))
- Mobile Testing at CENFOTEC ([see title](#))
- Fundamentals of UX, Design Thinking y User Research at CENFOTEC ([see title](#))
- Computer Equipment Operator at INA ([see title](#))
- Administrative Assistant Technician at INA ([see title](#))
- Advanced Python at CPIC ([see title](#))
- CCNA Exploration: Network Fundamentals at ULATINA ([see title](#))
- CCNA Exploration: Routing Protocols and Concepts at ULATINA ([see title](#))
- Intensive English of 15 hours per week at INTENSA INSTITUTE (currently taking module 10)

## CATALOG OF PROJECTS AND AREAS OF KNOWLEDGE

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- Mobile App Development in Android Studio for the Google Play store:
  - INS 24/7 App from the National Insurance Institute ([see app](#))
  - App CostaTV from Rocket Studio ([see app](#))
  - App PetroGas from Rocket Studio ([see app](#))
  - App NewsCR from Rocket Studio ([see app](#))
- Relational database development (tables, views, sps, triggers, functions):
  - Microsoft SQL Magnament Studio
  - MySQL (mariadb) using Navicat Premium
  - PosgreSQL using Navicat Premium
  - Oracle using SQL Developer
- Python script development:
  - Task automation using Selenium library for webscraping
  - Automation using OpenCV library for image processing
- Website development and hosting maintenance:
  - Website for Airbnb accommodation management ([see site](#))
  - Site for scheduling appointments and reservations ([see site](#))
  - Website showing store menu ([see site](#))
  - Site for virtual wedding invitations ([see sito](#))
- API development:
  - APIs using .NET Core in Visual Studio IDE
  - APIs in PHP using CodeIgniter framework in Visual Studio Code ([see api](#))
  - APIs in PHP using framework Laravel in Visual Studio Code
  - APIs in Python using framework Flask
- Development of embedded hardware systems:
  - Home automation system using Raspberry PI with Raspbian operating system
  - Sensor system using Arduino to collect data

## ANNEX

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To see more information, as well as a portfolio of completed work and experiences, you can consult the online version of my page or by scanning the QR code:

<http://jalvarezpiedra.ddns.net/cv>

