



PEDRO FERNANDEZ MORA

IT / SOFTWARE ENGINEER

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Address: Via Trajana B, 14, 08020, Barcelona, Spain    Nationality: Spanish    Age: 57 years

Professional Summary

Seasoned IT and Software Engineer with 13+ years of expertise in full-stack development, AI applications, and system automation. Adept at designing scalable web solutions using PHP, Python, Django, Flask, and Laravel, with a strong focus on AI-driven tools (e.g., Deepseek-r1, Cursor). Proven track record in delivering 25+ freelance projects (2017–2025) and enterprise systems for diverse industries. Bilingual in English and Spanish.

ACADEMIC QUALIFICATIONS

2007 - 2012	IT ENGINEER   Instituto Universitario de Tecnología del Edo, Trujillo, Trujillo, Venezuela.
2015 - 2016	Master in Network Engineering   CIPSA, Barcelona, Spain.

TECHNICAL SKILLS

- Languages: PHP, Python, Java, JavaScript, SQL
- Frameworks: Laravel, Symfony, Django, Flask, CodeIgniter, Bootstrap
- AI/ML Tools: Deepseek-r1, Cursor, ChatGPT, Gradio, Sentiment Analysis, NLP
- Web Technologies: HTML5, CSS3, jQuery, AJAX, REST APIs
- Databases: MySQL, PostgreSQL, PDO, MySQLi
- Mobile Development: Android Studio
- Tools: PyCharm, Git, GitHub, WordPress

LANGUAGES

- ❖ English: Native / Bilingual
- ❖ Spanish: Native / Bilingual

**Freelance IT Engineer | Barcelona, Spain | 2017–2025**

**Designed and developed 25+ projects across AI, web, and management systems. Key highlights:**

❖ AI Applications:

- Agentic AI Research Tool: Autonomous agent for multi-step online research and email reporting.
- CV Chatbot: AI-driven assistant for CV queries using reasoning and external tools.
- NLP Tools: Sentiment analysis, text summarization, and grammar checker powered by Deepseek-r1.

❖ Web Development:

- Role-based authentication systems (Django, Flask).
- Integrated ChatGPT/translator apps (Flask\_GPT, Flask\_Translator\_AI).

❖ Management Systems:

- Inventory, employee, and hostel management systems (Laravel, PHP).
- E-commerce platforms (Royal Store, Computerfever).

## 25 Projects designed and developed as a | Freelancer / 2017 - 2025

- ❖ **Agentic-AI-Deep-Research**  
An agent that uses reasoning to synthesize large amounts of online information and complete multi-step research tasks for you, displays the information and then emails it to your email.  
<https://github.com/ingpedrofernandez/Agentic-AI-Deep-Research>
- ❖ **Agentic-AI-CV-CHatbot**  
An advanced type of AI that operates autonomously, using reasoning, planning, and external tools to achieve complex goals without constant human input. This one answers questions about your CV and any additional info that you put in a txt file.  
<https://github.com/ingpedrofernandez/Agentic-AI-CV-CHatbot>
- ❖ **AI-Powered\_sentiment\_analysis**  
AI-Powered Sentiment Analysis with Deepseek-r1 AI  
[https://github.com/ingpedrofernandez/AI-Powered\\_sentiment\\_analysis](https://github.com/ingpedrofernandez/AI-Powered_sentiment_analysis)
- ❖ **AI-Powered\_named\_entity\_recognitio**  
AI-Powered Named Entity Recognition with Deepseek-r1 AI  
[https://github.com/ingpedrofernandez/AI-Powered\\_named\\_entity\\_recognition](https://github.com/ingpedrofernandez/AI-Powered_named_entity_recognition)  
**AI\_text\_summarizer**  
AI-Powered Text Summarizer with Deepseek-r1 AI  
[https://github.com/ingpedrofernandez/AI\\_text\\_summarizer](https://github.com/ingpedrofernandez/AI_text_summarizer)
- ❖ **AI-Powered\_Grammar\_Checker**  
AI-Powered Grammar and Spelling Checker with Deepseek-r1 AI  
[https://github.com/ingpedrofernandez/AI-Powered\\_Grammar\\_Checker](https://github.com/ingpedrofernandez/AI-Powered_Grammar_Checker)
- ❖ **AI-Powered-Text-Generator**  
AI-Based Text Generation with Deepseek-r1 AI  
<https://github.com/ingpedrofernandez/AI-Powered-Text-Generator>
- ❖ **AI\_text\_summarizer**  
AI-Powered Text Summarizer with Deepseek-r1 AI  
[https://github.com/ingpedrofernandez/AI\\_text\\_summarizer](https://github.com/ingpedrofernandez/AI_text_summarizer)
- ❖ **Django\_role\_auth**  
A role-based authentication app developed with Django  
[https://github.com/ingpedrofernandez/django\\_role\\_auth](https://github.com/ingpedrofernandez/django_role_auth)
- ❖ **Flask\_Translator\_A**  
Integrated Flask AI Translator  
[https://github.com/ingpedrofernandez/Flask\\_Translator\\_AI](https://github.com/ingpedrofernandez/Flask_Translator_AI)

Designed and developed with PYTHON, CHATGPT, DEEPSEEK, FLASK, DJANGO, PYCHARM, GRADIO and CURSOR.

**25 Projects designed and developed as a | Freelancer / 2017 - 2025**

- ❖ Flask\_GPT  
Integrate ChatGPT in a Flask app  
[https://github.com/ingpedrofernandez/Flask\\_GPT](https://github.com/ingpedrofernandez/Flask_GPT)
- ❖ Flask\_Auth3  
A flask and python role authentication website  
[https://github.com/ingpedrofernandez/Flask\\_Auth3](https://github.com/ingpedrofernandez/Flask_Auth3)
- ❖ Flask\_AuthA  
User Role Website with admin functionality  
[https://github.com/ingpedrofernandez/Flask\\_AuthA](https://github.com/ingpedrofernandez/Flask_AuthA)

Designed and developed with PYTHON, CHATGPT, DEEPSEEK, FLASK, DJANGO, PYCHARM, GRADIO and CURSOR.

## PROFESSIONAL EXPERIENCE

### 25 Projects designed and developed as a | Freelancer / 2017 - 2025

- ❖ Design and development of Stock Management System. (2023)  
<https://github.com/ingpedrofernandez/Stock-Inventory-MS-Laravel>
- ❖ Design and development of Employee Management System. (2023)  
<https://github.com/ingpedrofernandez/Employee-MS-Laravel>
- ❖ Design and development of Beauty Parlour Management System. (2023)  
<https://github.com/ingpedrofernandez/Beauty-Parlour-MS> (github.com)
- ❖ Design and development of Hostel Management System. (2022/2023).  
<https://github.com/ingpedrofernandez/Hostel-MS> (github.com)  
Design and development of Doctor Appointment Management System. (2022)  
<https://github.com/ingpedrofernandez/Doctors-Appointment-MS> (github.com)
- ❖ Design and development of Cyber Cafe Management System. (2022)  
<https://github.com/ingpedrofernandez/Cyber-Cafe-MS> (github.com)
- ❖ Design and development of online shopping store Computerfever Management System (2022)  
<https://github.com/ingpedrofernandez/Computer-Store> (github.com)
- ❖ Design and development of online shopping store Royal Store. (2022)  
<https://github.com/ingpedrofernandez/Royal-Store-online-store> (github.com)
- ❖ Website and blog for AMATISTA-JOURNEYS. (2020 / 2021)  
[https://github.com/ingpedrofernandez/Amatista\\_journeys\\_blog](https://github.com/ingpedrofernandez/Amatista_journeys_blog) (github.com)
- ❖ Website and blog for AMATISTA. (2020 / 2021)  
<https://github.com/ingpedrofernandez/Amatista>: Un blog para Amatista Journeys (github.com)
- ❖ Design and development of Restaurant Management System for Wawas in Barcelona, España. (2019 / 2020)
- ❖ Design and development of the intranet of the Serpentario de Trujillo, Venezuela. (2018 / 2019)
- ❖ Design and development of the online dating web application CHICASVIP.CLUB. (2017 / 2018)

Designed and developed with core PHP, frameworks SYMFONY, LARAVEL, html5, css3, JavaScript, JQuery, mysql, Ajax, mysqli, PDO.

**DWI Estudios | Sant Boi de Llobregat, Barcelona. / 12/2016 – 06/2017**

Web Designer / Programmer

<https://estudiosdwi.com/>

Designer and developer of the web sites <http://intranet.eshi.es/> and <http://eshi.es/acceso-cliente/> with their respective databases.

Developer in the developing team of the web site <http://dev.icondiet.com/> with its respective database.

Developer of the Icondiet app <http://mobileapp.icondiet.com/> (PHP, HTML5, CSS3, JAVASCRIPT, MYSQL, AJAX, MYSQLi, PDO, JAVA, CODEIGNITER, JAVA, ANDROID STUDIO).

**Novartia Global Service | Barcelona. / 08/2015 – 08/2016**

Web Designer / Programmer.

Web project for the creation of 2 websites: <http://bulagrica.com/> and <http://agroasbar.com/>

Assignments: Front and back development of the websites.

Technologies: Wordpress.

**Grúas Martínez | Caracas, Venezuela. / 01/2015 – 07/2015**

**PHP Programmer / Analyst**

Project: Intranet design and development for the company's processes.

Assignments: Programming, analysis, design and implementation of the project.

Technologies: Developed with PHP, PDO, HTML5, CSS3, JAVASCRIPT, MYSQL, and AJAX.

**PHP Programmer / Analyst**

Project: Design and development of web application to automate the inventory and report generation.

Assignments: Programming, analysis, design and implementation of the project.

Technologies: Developed with PHP, MYSQLI, HTML5, CSS3, JAVASCRIPT, MYSQL. and AJAX.

**Aeropuerto Antonio Nicolás Briceño | Valera, Venezuela. / 06/2012 – 12/2012**

**PHP Programmer / Analyst**

Project: Design and development of web application to automate tools and cleaning supplies inventory of the airport.

Assignments: Programming, analysis, design and implementation of the project.

Technologies: Developed with PHP, MYSQL, HTML5, CSS3, JAVASCRIPT, MYSQL, and AJAX.

**CODE REPOSITORY:**

❖ [ingpedrofernandez \(github.com\)](https://github.com/ingpedrofernandez)

**ADDITIONAL INFORMATION:**

❖ **AVAILABILITY TO START: AT ONCE.**

❖ **AVAILABILITY TO TRAVEL: YES.**