Carlos Bilbao Lara
Master in Artificial Intelligence

carlosbilbao2@gmail.com | +34 622621371 | Rivas-Vaciamadrid, Madrid, Spain

I am a Computer Engineer with a deep interest in Artificial Intelligence. My passion lies in facing and solving the most complex problems; These challenges not only test my skills, but also allow me to continuously learn and develop as a professional. Recognized for having initiative and for providing ideas to develop or improve functions and products. You can find me on social media at **LinkedIn (https://www.linkedin.com/in/carlos-bilbao-lara/)** and **Github (https://github.com/Carlosbil).** Portfolio: **https://carlosbil.github.io/**

Education

MASTER IN AI
- Studying at Universidad Alfonso X.
- Since 2023/10.
- General area of study: Artificial Intelligence.
- Currently studying.

COMPUTER ENGINEERING
- Studies completed at Universidad Politécnica de Madrid.
- From 2018 to 2022.
- General area of study: Engineering.
- Specialty: Computer Engineering.
- TFG: Neural network capable of **identifying** emoticons.

Skills & Abilities

TECHNIQUES
- Application and AI development**,** mainly using **Python and Java.** I am also proficient in relational databases, such as **MySQL and PostgreSQL** and the integration of these with Python**,** using **SQLAlchemy** and **JDBC** for Java.
- **Proficient** using **Keras** and **Pytorch** for the development of **Neural Networks,** including **RL, CNN, LLMs, Transformers, Vision Computing, NLP**.
- **Proficient** in **Python** and **Weka** for **Artificial Intelligence**, **Machine Learning** and **Data Mining**, with extensive knowledge in both **supervised and unsupervised** learning techniques.
- Regarding development, I mainly use **Pycharm**, **IntelliJ** and **VS code,** with the help of **Jupyter Notebook**.
- Creation of unit, integration and system tests using **JUnit** and **pyTest.**
- **CI/CD** using **Jenkins,** RPM**, Docker**, and **Kubernetes**, along with **Helm Chart.**
- Web application development using **ReactJS** and **Angular**.
- Develop of complex functions and re-design other code structures for being more efficient

TEAMWORK
- Use of teamwork tools such as **Git**, **GitHub**, **Jenkins**.
- Expert in **agile methodologies, Scrum.**
- Communicative and always willing to help others.

SOFT SKILLS

· Self-learning
· Analytical skills
· Problem solving
· Knowledge of good practices.
· Time management,
· Commitment to work
· Responsible.

Experience

DEVOPS ENGINEER

· Working at **CDS, an HPE company**
· Since 2023/01
· Development of applications for the **R+D department of CTG, in CD and CI.**
· Back-end in **Java 11, and Python-3.**
· Develop of complex functions and re-design other code structures for being more efficient.
· Recognized for giving innovative ideas in order to upgrade the code efficient and complexity.
· Design and develop flow charts.
· **Microservices development.**
· Use of **Agile methodology, together with Jenkins, GitHub,** and application of good practices.
· **Continuous development and deployment** for Linux environments.
· **Windows Dockers and Kubernetes**.
· Development of **Unit Tests** for Python and Java.
· Design and development of the **migration from AngularJS to Angular**.
· **Jenkins** Pipelines.

SOFTWARE DEVELOPER

· Working at **Inetum**
· From 05/2021 to 12/2021
· Creation and development of applications in Java 8 and Java 11.
· Creation and development of frontend in React.
· Design and implementation of unit, integration and system tests.
· Design and implementation of an API-REST architecture.
· Use of agile methodology for development.
· Using github, Bitbucket, and dockers.
· Design from scratch of a scalable software architecture.

Languages

Spanish: Native
English: B2, Cambridge Certificate

Other Interesting Facts

In my free time I love to play Tennis and Padel, I have been a monitor of both sports while I was studying my degree. In the same way, I like to keep developing new software that has nothing to do with what I'm doing to keep learning and improving continuously which you can check in my GitHub.