

Carlos Bilbao Lara

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Software Developer and Engineer with over 2 years of experience, involved in international projects for top-tier clients such as AT&T. Currently focused on machine learning and artificial intelligence, having developed innovative solutions and applications that automate processes through AI, achieving 30%-time savings for users. [GitHub](#), [LinkedIn](#), [Portfolio](#)

PROFESIONAL EXPERIENCE

Full-On-Net

Madrid, Spain

Artificial Intelligence Engineer

June 2024 - now

- Engineered Artificial Intelligence solutions utilizing NLP, Vision Computing, and multimodal LLMs.
- Developed AI pipelines incorporating microservices, leveraging Hugging Face, PyTorch, Flask, NumPy, OpenCV, Pandas, and SQL Alchemy.
- Led the development of a microservices architecture, improving scalability and maintainability.
- Conducted research and implemented cutting-edge models.
- Designed an innovative generic class, decreasing the time needed to modify and test new models by 30%.
- Architected a microservices framework using Azure.
- Client collaboration: Worked closely with clients to understand their needs and key objectives, actively participating in meetings and discussions to define tailored solutions.
- Joint problem-solving: Facilitated decision-making through a collaborative approach, reaching agreements on solutions that maximized value for both parties.
- Client relationship management: Acted as a liaison between the technical team and the client, ensuring clear expectations and delivering satisfactory results through effective and ongoing communication.
- Collaborated with my team utilizing Git, GitHub, and Agile methodologies.
- Deployed software using Ansible, Docker, and Kubernetes.

CDS an HPE Company

Madrid, Spain

Software/DevOps Engineer

January 2023–June 2024

- Developed applications for the R&D department of CTG, with an emphasis on Continuous Development (CD) and Continuous Integration (CI).
- Conducted backend development using Java 11 and Python 3, incorporating libraries such as NumPy, pandas, PyTorch, and Hugging Face.
- Oversaw the migration from Java 8 to Java 11, Python 3.6 to 3.11, and AngularJS to Angular.
- Engineered complex functions and restructured code, achieving a 40% improvement in efficiency.
- Supervised continuous development and deployment for Linux/Cloud environments.
- Implemented CI/CD pipelines using Jenkins, encompassing the creation of the pipeline with testing, SonarQube analysis, build, and deployment phases.

Inetum

Madrid, Spain

Software Developer

May 2021–December 2021

- Designed and implemented an architecture from scratch.
- Developed web applications using React and Java.

EDUCATION

Universidad Politécnica de Madrid

Computer Science, bachelor's degree

Final Project: CNN able to recognize emoticons at any picture

Madrid, España

September 2018-June 2022

Universidad Alfonso X

Artificial Intelligence, Master

Final Project: Designed and implemented a genetic algorithm for automodelled neural networks.

Madrid, España

September 2023-Sept 2024

OTHER SKILLS

- Native Spanish speaker, fluent in English (C1 level), with all professional work conducted primarily in English.
- Proficient in both relational and non-relational databases.
- Skilled in data analysis.
- Strong problem-solving abilities.
- Demonstrated commitment to work.
- Knowledgeable in best practices.
- Tennis and padel coach and player.
- Communicative and always willing to help others.
- Time management.