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MARÍA ALEXANDRA GALARZA GALLARDO
Software full stack developer | UX Designer | Architect

ABOUT ME

Full-stack developer focused on consuming and creating Rest APIs. Ten years in architecture have honed my attention to detail and structured thinking. Although my professional experience has been in teaching, I actively develop personal projects. I like to apply best practices principles like SOLID, DRY and testing. I'm familiar with TDD although I don't use it in all my projects, but I like it when an application looks clean and readable. I'm eager to gain new knowledge and contribute what I've learned.

(Figma) (HTML) (CSS) (Sass) (Javascript) (React) (Next) (Node) (PHP) (Laravel) (Java) (Spring Boot) (Python) (MySQL) (PostgreSQL) (Docker) (GIT) (JWT)

EDUCATION

- Application Development with Web Technologies professional certificate | Servei d'Ocupació de Catalunya
- Qualification for teaching in grades A, B and C of the professional training system professional certificate | Servei d'Ocupació de Catalunya
- User Experience Design (UX) professional certificate, (240-hour) | jul. - sep. 2022 | Google - Coursera
- Front-end web development, specialized in React.js (352-hour) | jan. - may. 2022 | IT Academy - Barcelona Activa
- Full-stack web development (850-hour) | apr. 2021 - sep. 2021 | Factoría F5 - Barcelona School
- Front-end web development and agile metodologies (300-hour) | oct. - dec. 2020 | Factoría F5 - Barcelona School
- Master in Intervention and environmental management: people and society (75 ECTS) | 2017 - 2021 | Universidad de Barcelona
- Master in Sustainable intervention in the built environment (60 ECTS) | 2016- 2017 | Universidad Politécnica de Cataluña
- Architecture degree (6000-hour) | 2001- 2009 | Universidad Católica del Ecuador

COURSES

- Artificial Intelligence – Introductory Level: Learning with Python | 24h. Eurecat
- Introduction to Python Programming | oct. - nov. 2023, 50h. Eurecat
- Green Software for Practitioners | may. 2023, Linux Foundation
- Green Digital Skills | may. 2023, Inco Academy

LANGUAGES

Spanish: Native
English: Proficient
Catalan: Intermediate
French: Basic

WORK EXPERIENCE

Factoría F5, Barcelona school | may. 2022 - present

Technical leader of the FemCoders program in full-stack web development | oct. 2022 - present

I lead the design and implementation of an innovative training program in full-stack web development, based on agile methodologies and active pedagogy, that enables women and non-binary individuals to train in key industry technologies. I contribute to increase the bootcamp's completion rate by creating content aligned with development best practices and adapted to different learning styles. I foster motivation and active learning by developing practical exercises and projects focused on real-world challenges in the workplace. I represent the program as a speaker at conferences and workshops, strengthening its visibility and generating strategic alliances.

Technical assistant for several full-stack web development bootcamps | may. 2022 - oct. 2022

I supported the training process of web development bootcamps, applying agile methodologies, clean code, and best practices. I reinforced key transversal skills for job placement, continuing education, and entrepreneurship for people in vulnerable situations.

Estela Julia | nov. 2024
UI Designer and web developer

In collaboration with the product owner and AWS architect, I designed and developed the website for artist Estela Julia, which, in addition to its information, includes a customized administration dashboard that facilitates the autonomous management of her videos and events.

Red PHI-Ecuador | sep. 2023 - 2025
UI Designer and web developer

I designed, developed, and launched the website for the PHI Ecuador Network, working closely with the client to ensure a functional, visually appealing platform aligned with the network's objectives. I maintained the site using CI/CD to facilitate automation in continuous delivery.

Tikibike | may. 2021
UI Designer

I collaborated on the UI design of a French bike tour company's website, significantly improving the presentation of its services compared to the previous version and providing a clearer and more engaging user experience.

Lego Arquitectura | jan. 2021
Wordpress web developer

I developed an architectural firm's website using WordPress and Elementor, achieving a visual interface consistent with the brand's identity and facilitating content management for the client.

OTHER PROFESSIONAL EXPERIENCE (ARCHITECTURE & PROJECT MANAGEMENT)

Between 2008 and 2020, I worked on architecture, technology, and management projects that strengthened both my technical and soft skills. I collaborated with multidisciplinary teams, fostering clear communication and alignment across departments, and worked directly with the IT division to develop a geoportal that improved collaboration between technical and design teams. As a functional analyst, product designer, and product manager, I translated user needs into experience-centered digital solutions. I led a cadastral department of 12 people, optimizing processes and data quality, and coordinated with contractors on large-scale infrastructure projects such as the New Quito Airport, ensuring deadlines and compliance. My entrepreneurial experience taught me adaptability, customer orientation, and brand development, while teaching and public speaking enhanced my ability to share knowledge and motivate others. These experiences strengthened my teamwork, problem-solving, and leadership skills.

PROJECTS

Most of my projects are publicly available on GitHub, including educational, personal, and professional projects. I really enjoy building software and I usually apply a Rest API style, client-server architecture, with a three-tier MVC architecture for the backend and a component-based architecture for the frontend, but I'm happy to explore and learn other architectures. You can see a selection of my work: https://malexgg.github.io/portfolio/