

# MARÍA ALEXANDRA GALARZA GALLARDO

Software full stack developer | UX Designer | Architect



## PERSONAL STATEMENT

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'd like to apply the solid foundations I've built in web development to a real product. 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.

HTML5 CSS3 Javascript React.js Next.js Node PHP Laravel Java Spring Boot Python MySQL PostgreSQL Docker

## WORK EXPERIENCE

Factoría F5, Barcelona school | may. 2022 - present

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

I led 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 contributed to increasing the bootcamp's completion rate by creating content aligned with development best practices and adapted to different learning styles. I fostered motivation and active learning by developing practical exercises and projects focused on real-world challenges in the workplace. I represented 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 - present

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 maintain 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.

Área Metropolitana de Barcelona | apr. 2017 - jul. 2020

Architect - UI Designer

I collaborated with the Information Technology department on the conceptual development of the Infrastructure department's geoportal, facilitating mutual understanding. I maintained the GIS for transportation infrastructure projects. I updated the "Approximation of Metropolitan Infrastructures" document and developed the Style Manual for 'Rondas de Barcelona'. I contributed to the drafting of urban landscape projects, working closely with the team throughout all stages of the project, from conceptualization to execution.

Novatam C.E.M. | mar 2015. - sep. 2016

Project Manager - Cadastral Area and UI Designer

As project manager, I led the conceptualization of the Comprehensive Municipal Management System (e-GAD) for the automation of municipalities in Ecuador. I guided the technical team to achieve the final result, placing special emphasis on ensuring a smooth user flow. I also designed the visual identity and UI for an intuitive and consistent experience.

Miski Chocolates | feb. 2012 - may 2016

Co-founder, web developer, content manager and graphic designer

In this entrepreneurship, we offered personalized chocolates to businesses and individuals. I developed the website using Joomla (currently discontinued) and designed custom labels for the products, strengthening the brand identity and customer experience.

Banco del Estado del Ecuador | aug. 2015

Technical trainer - 20 hours

I provided professional services for the organization and implementation of the event "Multipurpose Cadastre, a Tool for Municipal Development," teaching a specialized class to strengthen municipal management capacities.

## WORK EXPERIENCE

- Estudio A0 - Ar. Jaskran Kalirai | aug. 2013 - sep. 2014

Architect

I collaborated on the design of architectural projects, while developing key skills such as effective communication and collaborative work to ensure integration and coherence in creative and technical processes.
- Empresa Pública Metropolitana de Servicios aeroportuarios, gestión de zona franca | jun. 2012 - jul. 2013

Architect

I collaborated with the supervisory team for the construction of the New Quito Airport, coordinating with the contractor, Luis Berger-Tahal, to ensure compliance with quality standards, deadlines, and current regulations.
- Dirección Metropolitana de Catastros | apr. - may. 2012

Architect

I supervised and quality-controlled the cadastral information and property survey provided by Tecsalt, performing both field and office work, ensuring that the information entered into the system was reliable and accurate, thereby improving the quality of services offered by the municipality.
- Municipio Metropolitano de Quito, Administración Zonal Eugenio Espejo | apr. 2010 - jan. 2012

Head of the Appraisals and Cadastre Area

I directed and managed the decentralized appraisal and land registry department, leading a team of 12 people. I implemented process improvements that optimized turnaround times and strengthened quality control of information in the land registry system. I also provided personalized attention to complex cases, ensuring effective and accurate solutions.
- Ar. Patricio Endara Baca | nov. 2008 - mar. 2010

Architect

I began my professional career in architecture under the guidance of a renowned architect, designing residential and service projects, which allowed me to develop adaptability and a solid technical foundation.

## EDUCATION

- 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 methodologies (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

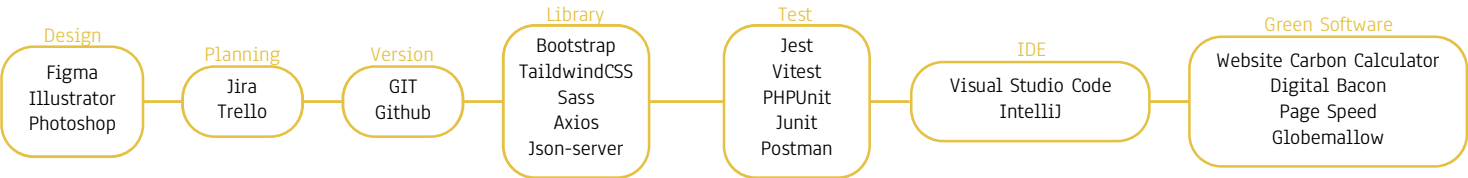
## COURSES

- 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
- QGis - Geographic information system | jun. 2015, Mapping GIS
- Project management | mar. 2015, Cámara de la Industria de la construcción
- Cadastre for managers | jun. 2010, Instituto Agustín Codazzi

## LANGUAGES

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

## TOOLS



## PROYECTS

Most of my projects are publicly available on GitHub, including educational, personal, and professional projects. I really enjoy building software and typically 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 in my portfolio: