Ramiro Santa Ana Anguiano

ramiro@colima.press Portfolio GitLab GitHub LinkedIn PyPI

Highlights of Qualifications

- 19 years publishing print and digital products
- 11 years serving as product advisor, instructor and workshop facilitator
- 11 years developing software for workflows, tools and educational materials
- 9 years working remotely and with global teams
- 8 years leading technical projects
- 7 years collaborating in linguistic projects
- 5 years programming with Python
- 1 year implementing AI for creating digital products
- Bilingual in English and Spanish

Professional Experience

Publishing Expertise

- Design, develop, and implement single-source publishing workflows for the creation of books, ebooks, audiobooks, and other digital products from the same source
- Design, develop, and publish crossmedia and transmedia products so the licensed content is produced in different formats or it is expanded to other media with consistency
- Implement ebook testing, quality assurance, and validation workflows using Python, Google Apps Script, Adobe scripting, APIs, and command-line tools
- Knowledge of intellectual property on the digital media landscape, print-ready files approvals, metadata optimization, digital asset management, and accessible publishing
- Proficient in desktop publishing such as InDesign (including scripting) and Scribus, and publishing in CMS platforms of main content distributors
- Leverage AI-assisted development for deterministic XML validation tooling for QA conformance checks
- Familiar with XML, EPUB and NIMAS files, and registered as NIMAS conversion vendor at NIMAC
- Usage of EPUBCheck, ACE accessibility checker, and WAVE evaluation tool
- Experience publishing K-12 educational materials and academic research

Software Development

- Proficient with the Python ecosystem, including Django, pip, uv, pyenv, sqlite3, ruff, isort, beautifulsoup4, jsonschema, tree-sitter, spacy, lxml, flet, and basic pytest and pandas

- Proficient in script programming with Python, Lua, and JavaScript (e.g., Google Apps Script and Adobe), and typesetting markup with Markdown, HTML, XML, XHTML, LaTeX, and reStructuredText
- Proficient with web technologies such as HTML, JavaScript, CSS, JSON, HTMX, and basic WASM
- Develop command-line tools, web interfaces, and automated workflows
- Implement projects for tracking product changes, file versioning, automating content publishing, performing quality assurance, and testing workflows
- Ability to create basic Git CI/CD pipelines, Docker containers, and Makefiles for code reproducibility and automated testing
- Knowledge of APIs and cloud infrastructure with DigitalOcean, OVHcloud, netcup and other virtual private server providers
- Ability to learn and apply new technologies and methodologies to improve workflows, tools, and products

Production & Project Leadership

- Lead small work teams (up to 5 people) for project-based contracts
- Lead different kinds of collaborators such as developers, vendors, creative talent, and academics
- Apply or design methodologies and new technologies for improving digital product workflows
- Coordinate projects for producing web pages, books, ebooks, audiobooks, magazines, learning materials and video dubbing
- Manage product requirements and roadmap, editorial trackers and schedules, technical specifications and stakeholder alignment
- Orchestrated projects for the Mexican government, universities, and independent publishers

Design & UX Experience

- Create cross-platform prototypes, proof of concepts and minimum viable products
- Design, develop and publish web pages, books, papers, ebooks, audiobooks and apps
- Design user experiences (UX) and build user interfaces (UI) for web, CLI and GUI interfaces
- Familiar with web accessibility (WCAG), and DAISY EPUB Accessibility specification

Tech Stack

- Use of common office software: Microsoft Office, Google Docs, Drive, Dropbox, Nextcloud, Figma, Slack, Asana, Smartsheet, and Adobe (InDesign, InCopy, Acrobat, Illustrator, Photoshop)
- Familiar with CMS, for example: Django, WordPress, ActiveAdmin, Joomla and Drupal
- Utilize GNU/Linux Operating Systems and command-line interfaces such as: Debian, Arch Linux, Bash, Fish-shell, Git, Vim, Helix, SSH, Zellij, Tmux, Podman and Docker

Recent Employment History

Spanish Content Operations Associate
Zearn
September 2024 – Present
New York (remote)
K-12 digital materials · Spanish localization · QA · AI dubbing · Google Apps Script

Project Lead Developer
Mexican Academy of Language
January 2020 – Present
Mexico City (remote)
Python development · Web technologies · XML workflow · SQL via Django ORM

OA Journals Toolkit Editorial Board Member
Directory of Open Access Journals
February 2025 – Present
Roskilde, Denmark & The Hague, Netherlands (remote)
Spanish copy editing · Consulting · Identifying emergent publishing technologies

Print Production Editor
Zearn
September 2023 – September 2024
New York (remote)
K-12 print materials · InDesign scripting · QA · Spanish copy editing & localization

Spanish Book Editor
Wikimedia Mexico
October 2022 – January, 2023
Mexico City
Spanish editing · Desktop publishing · Editorial Design · Print material

Spanish Book Editor
Faculty of Music, National Autonomous University of Mexico
June 2022 – September, 2022
Mexico City
LaTeX typesetting · Ebook production · Print material

Co-founder, Publisher, Managing Editor & Developer
Programando LIBREros
August 2018 – June 2022
Colima, Mexico
Product design · Markup typesetting · Single-source publishing · Vendor & budget management

eBook Developer & Tester
Center for Research on North America, National Autonomous University of Mexico
June 2020 – September 2020
Mexico City
Markup typesetting · Single-source publishing · File versioning

eBook Developer & Tester
Publishing Department, Latin American Faculty of Social Sciences
September 2017 – June 2020
Mexico City
Markup typesetting · Single-source publishing · File versioning

Digital Strategy Consultant & Managing Editor
Mexican Secretariat of Public Education
March 2020 – June 2020
Mexico City
Production workflow design · Production tools development · QA

Co-founder, Publisher, Managing Editor & Developer
Nieve de Chamoy
October 2014 – August 2018
Mexico City
Markup typesetting · Single-source publishing · Ecommerce setup · Web analytics

Education

M.A., Philosophy, *The Creator and the Created* (Spanish)
National Autonomous University of Mexico
August 2017 – May 2022
Mexico City
Philosophy of culture · Intellectual property · Commons · Authorship

B.A., Philosophy, *The Founding and Settlement of Colima* (Spanish)
University of Colima
August 2007 – October 2011
Colima, Mexico
Philosophy of history · Hermeneutics · Historiography · Regional history

Certifications

Data Structures & Algorithms I
The Georgia Institute of Technology
October 2026

Introduction to Web Accessibility
World Wide Web Consortium
August 2026

Introduction to Python Programming
The Georgia Institute of Technology
June 2026

Accessible Publishing Concepts for Publishers
World Intellectual Property Organization
June 2025

Copyright and Related Rights
World Intellectual Property Organization
July 2016

General Course on Intellectual Property
World Intellectual Property Organization
February 2016

Copyright With a Focus on the Digital Media Landscape
Universidad del Noreste
October 2016

Awards

National Endowment for Culture and Arts
Mexican Federal Government
May 2022

Master Research with Honorific Mention
National Autonomous University of Mexico
May 2022

Stimulus Program for Artistic Creation and Development
Colima State Government
February 2022

Peña Colorada Award for Valedictory Honors
University of Colima
November 2011