Patricia E. Miguel

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CAREER PROFILE

Software Engineer with focus on **backend development** and a diverse background spanning **quality assurance**, university-level **teaching** and **educational content creation**. Proficient in **Python** and **C#**, with a consistent track record of long-term collaboration, reflecting reliability and commitment. Creator of 'Programación desde cero', an online community teaching programming fundamentals in Spanish to thousands of learners. Fluent in English and Spanish, with strong communication skills and proven ability to explain complex technical concepts to varied audiences.

WORK EXPERIENCE

- **Programming Educator - Content Creator** *(2018 – present) at Programación Desde Cero*
Responsibilities: Design and publish programming educational content for beginners in Spanish through YouTube, blog, and social media. Build and maintain an online community of thousands of learners. Develop learning materials, tutorials, and infographics to support beginner programmers. Plan and prepare for future paid courses and workshops.

- **Ssr. Fullstack Software Developer** *(2024 – 2025) at Tu tutú (www.tututu.app/sobre-tu-tutu)*
Project: Middle-Sea (insurance broker).
Tools used: .Net framework 4.7.2, C#, NUnit, SQL Server, NHibernate, Javascript, JQuery, Bootstrap.
Responsibilities: Backend-focused tasks. Develop features and introduce required changes in the various platforms the broker uses, both in their intranet and client-facing. Integrate third-party APIs from insurance companies. Unit testing. Manage test environment deployment.
Details: Agile methodology (scrum / kanban). Web applications. 100% Remote.

- **Backend Software Engineer** *(2021 – 2023) at Intive (www.intive.com)*
Project: "Shippo" (a Shippo multi-carrier shipping platform for e-commerce).
Tools used: Python, Django, PostgreSQL, Docker, AWS, Postman, Git, Bitbucket, CircleCI, Linux.
Responsibilities: Back-end developer. Integrate courier APIs (both REST and SOAP) into the Shippo product. Bug-fixing. Unit and integration tests.
Details: Agile methodology (scrum). Web application. 100% Remote.

- **Senior QA Analyst** *(2018 – 2021) at Intive (www.intive.com)*
Project: "Digital Workspace" (a Sabre Corporation GDS).
Tools used: Jira, TestCafe (Javascript automation framework), Git, Rally, HP ALM.
Responsibilities: Create and automate test cases, refine user stories, advise on clarification of business logic details for implementation, execution of tests on web, desktop and mobile applications, create and manage defect reports, coaching peers.

Details: Automated and manual testing. Agile methodology (scrum, kanban). Desktop/web/mobile environments. 100% Remote.

- **Quality Engineer** *(2011 – 2018) at Clarolab (www.clarolab.com)*

Projects: "Jive" (a Jive Software social networking platform for business applications), Sharepoint-based intranet (a Threewill project for AT&T USA), "Jama Contour" (a Jama Software platform for development & engineering process).

Tools used: Selenium webdriver, Robot Framework (on Java), Python, Git, Stash, Jenkins, Linux, Jira, TestRail, Web Accessibility Evaluation Tool, CodeSniffer, Firebug, JAWS and NVDA screenreaders.

Responsibilities: Functional testing, bug triage, test case creation and manual execution, accessibility testing, UX analysis, test automation and maintenance, database interaction, test environment maintenance. Live testing of the Image Gallery app during Jive World 2012.

Details: Agile methodology (scrum). Web application testing. Hybrid (Junín, Buenos Aires).

- **Freelance tester** *(2013 – 2015) at Utest (www.utest.com), remote crowdsourcing (tester ID 95308, username "patr1c1a").*

Responsibilities: Functional and i18n testing. Find and report issues. Execute test cases.

Projects include: Netflix, YouTube, MalwareBytes, King.com, Yandex, Crackle, CBS Interactive, Time Warner Residential, Autodesk, Concur, 123D Design Online, Snapfish UK, 3-Wheel, WatchDox, Acquia, among others.

Tools used: Logcat for Android, multiple OS (Win 7, Win 8.1, Ubuntu, Android), multiple desktop and mobile browsers (IE 6-9, Safari, Chrome, Firefox, Opera), Drupal, Bug Reporter (Android), SpeedTest.net (Android), screenshot/video tools.

Highest rating achieved: "gold rated" Software QA in both functional and internationalization areas. Web, desktop and mobile testing. 100% Remote.

- **Programming Teacher** *(2010 – 2019) at UNNOBA university (www.unnoba.edu.ar)*

Positions: Teaching Assistant, pro bono, from 2010 to 2014. Teacher (lab instructor) from 2014 to 2019.

Responsibilities: Teach classes using Python, C++ and Pascal. Deliver tailored teaching activities to students. Create teaching resources and exams. Grading exams and deliverables. Facilitate student learning and help them solve programming problems and logical reasoning exercises. On site.

Courses: "Introduction to Imperative Programming", "Imperative Programming", Freshmen introductory course.

Grants awarded: research at Rey Juan Carlos University (Madrid, Spain, March 2017).

Details: On site (Junín, Buenos Aires).

EDUCATION

- **Bachelor of Information Systems (Licenciatura en Sistemas)** — *UNNOBA, Argentina (2022). 5-year program, equivalent to a Bachelor's degree in Information Systems.*
- **Associate Degree in Systems Analysis (Analista de Sistemas)** — *UNNOBA, Argentina (2014). 3-year Intermediate Degree.*
- **Diploma in Computer Programming (Programador Universitario)** — *UNNOBA, Argentina (2014). 2-year Technical Program.*

- **Bachelor of Laws (Abogacía)** and **Specialization in Notarial Practice (Escribanía)** — *UNLP, Argentina (2008). 5-year program and 1-year postgraduate program.*

PUBLIC TALKS
Public talks and workshops where I participated as a speaker or instructor.

- **Instructor during the 2021 summer workshop** *at "Club de Chicas Programadoras" (www.chicasprogramadoras.club)*
An introduction to programming aimed at girls aged 13-17, with the intention of inspiring young women to get involved in technology. Tools and technologies used: Scratch, HTML/CSS, MIT App Inventor.
6 online sessions.

- **"Using Postman to test an API"** *at online event: "Jump! Conference" (www.vamosalajump.com)*
As a software developer and a former senior QA engineer, I delivered this talk, aimed at professionals starting their careers.
Youtube link: https://youtu.be/MLN2ub61bnk?t=7234

LANGUAGES

- English (Fluent)
- Spanish (Native)

INTERESTS

Creating educational content, singing (choir member), tango dancing, history enthusiast, former Rotary Club (Interact, Rotaract) member.

SOCIAL MEDIA AND ONLINE PRESENCE

My channel, blog and social media where I post educational content for beginners to programming (contents are only in Spanish so far).

- **Blog:** www.patriciaemiguel.com
- **Youtube channel:** www.youtube.com/c/ProgramacionDesdeCero
- **Instagram:** www.instagram.com/programaciondesdecero
- **Facebook:** www.facebook.com/ProgramacionDesdeCer0
- **X (Twitter):** www.x.com/Programacion_0