Federico Holc

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About me

Hello! My name is Fede and I am a software development technician and full-stack web developer. I specialise in front-end development, but I'm interested in creating products from start to finish, so I've been learning in other areas, ranging from graphic design to back-end development. I was previously a sociologist and a teacher in schools and at the University of Buenos Aires. I have developed software both independently and as part of a team, using agile methodologies. My portfolio showcases the projects I have worked on, along with their code, and provides a detailed explanation of the challenges I faced and the valuable lessons I learned from each project. I am currently working as a full-stack programmer for a digital marketing agency.

Summary of qualifications

My skills and technical knowledge include:

- HTML / CSS / Responsive design
- JavaScript / TypeScript
- React / Next.js
- Linux / Docker
- Figma
- Testing (Vitest/Jest, React Testing Library, Playwright)
- Node.js / Express
- SQL / MongoDB
- Git / GitHub

Education

- **Higher Technician Degree in Software Development.** Technical Training Institute No. 29 of the Autonomous City of Buenos Aires. 2023 - 2025. Graduated.
- **Higher Education Specialist in Comprehensive Sexual Education.** Dr. Joaquín V. González Higher Institute of Teaching. 2017 –2019. Graduated.
- **Professor of Secondary, Normal and Special Education in Sociology.** Faculty of Social Sciences, University of Buenos Aires. 2007 – 2009. Graduated.
- **Bachelor's Degree in Sociology.** Faculty of Social Sciences, University of Buenos Aires. Buenos Aires. 2002 - 2007. Graduated.
- **Computer Technician.** Technical School Nº 3 Maria Sánchez de Thompson, Autonomous City of Buenos Aires. 1992 - 1998. Graduated.

Courses

- **AWS Academy Cloud Foundations,** AWS Academy, 2024.
- **Full Stack Web Developer. Argentina Program v3.0,** National Institute of Industrial Technology (INTI), Ministry of Economy of the Nation, 2022-2023.

- **Codo a Codo 4.0 Full Stack JAVA**, Ministry of Education of the Autonomous City of Buenos Aires, 2022.
- **Responsive Web Design / JavaScript Algorithms and Data Structures / Back End Development and APIs**, freeCodeCamp.org, 2022.

Languages

- **Spanish:** native.
- **English:** professional working proficiency. First Certificate Exam (B2 First), Cambridge University.

Work Experience

Full Stack Web Developer. Mindcircus. Feb. 2025 - present.
- Full stack development of a job offer and search platform for companies and professionals in the digital marketing, design and technology fields. I was in charge of rebuilding a project that was unfinished, which involved improving and extending a backend made with Node and MySQL database, and creating a frontend with React and TypeScript. I also implemented a ci/cd process to be able to deploy the production and staging environments on a VPS from GitHub repositories.

Web Developer. No Country, work simulation internship. Oct. - Nov., 2024.
- Team development of the telemedicine application Health Pro. I was in charge of developing the video call and waiting room modules of the application, using React, Node, WebSockets and WebRTC.

High school teacher. 2010 - 2024.
- Teacher of Sociology / Social Sciences in high schools in the City of Buenos Aires.

Professor and university tutor. University of Buenos Aires. 2007 - 2015.
- Professor of Introduction to Scientific Thinking, Common Basic Cycle (2007-2011). Professor and tutor of Teaching Practices. Faculty of Social Sciences (2009-2015).

Sociologist, Environmental Health Department, Ministry of Health of the Government of the Autonomous City of Buenos Aires. 2008 - 2012.
- Development of instruments for the survey of environmental problems in the Health Centers in Buenos Aires. Analysis of socio-environmental data using Epi Info, databases, and SPSS.

Web development projects

JWT Learning Kit - Roll your own auth, at least once in your life
- JWT Learning Kit is a guide to learn how to develop from scratch an authentication system in JavaScript using JSON Web Token. It includes the code and the explanation of the processes and concepts necessary for its implementation.
- Stack: HTML, CSS, vanilla JavaScript, Node, Express, SQLite, Vitest, Playwright, JSDoc.
- Online: jwtlk.fedeholc.ar

fotoYOP & foto-V
- FotoYOP allows you to transform images and create collages simply and quickly. It is also a PWA that can be installed on the phone and used offline. Foto-V is your ideal complement: it converts images into videos by applying effects such as panning or zoom in/out.
- Stack: HTML, CSS, vanilla JavaScript, React/Next, TypeScript, JSDoc, PWA, Canvas API.
- Online: fotoyop.fedeholc.ar · foto-v.fedeholc.ar

Health Pro - Telemedicine application
- Health Pro is a telemedicine application developed as a team as part of a work simulation by No Country. I was in charge of developing the video call and waiting room modules of the application.
- Stack: HTML, CSS, JavaScript, React, Node, WebSockets, WebRTC.
- Repo: https://github.com/No-Country-simulation/c21-m-15-java-react

>> err0r << Blog of notes for learning software development
- My blog to organize notes, learn, and share knowledge. Simple, fast, and accessible.
- Stack: Next, React, JavaScript, HTML, CSS, Markdown.
- Online: err0r.fedeholc.ar

¡ANOTÁ! & Highlighter - ¿Another note taking app?
- That's right, yet another note-taking application =) But with some particular special features. And the best: a browser extension that allows you to highlight and save texts and links from any web.
- Stack: HTML, CSS, JavaScript, React, Next, SQLite, WebExtension API.
- Live demo: anota-demo.vercel.app

Full size images for IG
- Extension for Chrome browser that allows you to view Instagram images at full resolution and in full screen, without distractions.
- Stack: JavaScript, HTML, CSS, WebExtension API.
- Disponible en la chrome web store: bit.ly/igfull +2000 users.

Software development academic projects

- Asistec Web Application: a platform that connects professionals offering technical services with those who need them (course project). Stack: Node, React, Vitest, HTML, CSS and MySQL. Continuous integration/continuous delivery (CI/CD) with GitHub Workflows and deployment with Docker Compose to Amazon Web Services (AWS).
- Web application for the administration of an educational institution (course project). Stack: MongoDB, Node, Pug, JavaScript, Vitest, JWT, HTML, CSS.
- Desktop app to manage a health clinic (course project). Stack: C#, Visual Studio, MySQL.
- Mobile app to manage a sports club (course project). Stack: Kotlin, Android Studio, SQLite.
- Argentina Programa v3.0 - Editable resume (course project). Stack: Java, Springboot, Hibernate, MySQL, Angular, HTML, CSS, Bootstrap.