

Adriel Alejandro Vazquez

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Detail-oriented Computer Science student and freelance developer specializing in backend development, with experience in .NET ecosystem and full-stack technologies. Focused on backend architecture and eager to deepen expertise in .NET development, while maintaining proficiency in React and Next.js. Demonstrated strong technical foundation through academic and personal projects.

Professional Experience

Freelance

Buenos Aires, Argentina

FrontEnd developer

2024 - Current

- Engineered the complete frontend architecture using Next.js, TypeScript, and Shadcn UI as part of a two-person development team. Developed all user interface components including responsive layouts, form validations, data tables with advanced functionality, and an asynchronous messaging system. Implemented comprehensive features for payroll management, billing operations, and internal communication workflows.
- Creation of institutional sites and online stores using the CMS WordPress.
- Management of end-customer support.

OSPFP / UPFPARA

Buenos Aires, Argentina

Administrative employee

2011 - 2024

- Data registration, cancellation and modification.
- Verification of data with different user search platforms.
- Customer service and assistance

Flash Musical

Buenos Aires, Argentina

Musical Instrument Sales

2009 - 2011

- Administration of sales conducted on digital channels (Mercado Libre and Facebook).
- Design of Mercado Libre e-shop and listings.

EDUCATION

Universidad Tecnologica Nacional

Buenos Aires, Argentina

Tecnicatura Universitaria en Programación.

2023 - Current

Focused on foundational programming skills and software development principles. Covered topics such as data structures, control structures, variable types, and Object-Oriented Programming (OOP). Gained experience in SQL, database management, and developing various projects, including video games, an e-commerce platform, a portfolio website, and interactive forms. This degree is a pre-graduate program that provides solid technical knowledge and can be articulated into a bachelor's degree.

Comprehensive training in .NET Framework development, covering both web and desktop applications. Gained hands-on experience with ASP.NET for creating dynamic, data-driven web applications and Windows Forms for building robust desktop software. The course emphasized best practices in software development, including user interface design, database integration, and debugging. Developed projects that simulate real-world scenarios, such as management systems and interactive tools, ensuring a strong understanding of the .NET ecosystem

Focused on learning the basics of C#, including data types, control structures, object-oriented programming (OOP), and error handling. Worked on practical projects like console applications to apply key concepts and build a strong foundation in programming.

Six-month course covering the fundamentals of web development, including HTML, CSS, and JavaScript. Gained hands-on experience building responsive websites and interactive user interfaces using React. Developed practical projects to apply key concepts, focusing on modern front-end development practices and best coding standards.

PROJECTS

- **Pharmacy Shift Simulator** - A web application that simulates the functionality of a ticket dispenser used in Argentine pharmacies to manage customer arrival shifts. Built using .NET 8, Entity Framework, SignalR, and Microsoft SQL Server for the backend, and React, TypeScript, React Router DOM, and Tailwind for the user interface.
Demo: <https://www.youtube.com/watch?v=G69iLyPI0NM>
- **Programmers Vs Hackers** - A Tower Defense video game developed in C++ as part of a team project. Created within the academic framework of the Programming II course.
Demo: <https://www.youtube.com/watch?v=zAIurffyU>
- **Ecommerce ASP.NET** - A web application for managing a product catalog with shopping cart integration. Developed using ASP.NET, JavaScript, and Microsoft SQL Server. Structured and designed with HTML, CSS, and Bootstrap.
Demo: <http://csharpcatalog.somee.com/Default.aspx>
- **Ecommerce React JS** - A web application developed in React JS with a shopping cart feature.
Demo: <https://alejsxanware.vercel.app/>