



Mariano Zunino

Sr. Backend Eng. - Software Architect

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Work Experience

STUZO & PAR

Software Architect

Dec. 2023 – Present

- Led architecture initiatives to adopt modern software design principles and technologies.
- Assessed feature feasibility, streamlining development and enhancing product quality.
- Aligned technical solutions with business goals through cross-functional collaboration.

Software Engineer

Jan. 2023 – Dec. 2023

- Built and maintained backend services with Nest.js, TypeScript, GraphQL, Kubernetes, and AWS.

VAIRIX

Senior Backend Engineer

May 2021 – Jan. 2023

- Served as Tech Lead and Architect for projects like PoliticalIQ (Nest.js, TypeScript, AWS).
- Worked on Seekr (Java, Spring, Kafka) and Vooks (Node.js, AWS Lambda, Kubernetes).
- Led technical interviews and mentored backend developers.

NUBCEO

SSr. Backend Developer

Feb. 2020 – May 2021

- Designed microservices for payment data aggregation using Node.js, TypeScript, MongoDB, and AWS.

ANTEL

Software Developer

Apr. 2019 – Feb. 2020

- Developed adapters to integrate heterogeneous systems.
- Managed Kubernetes deployments to ensure scalable and reliable service delivery.

IT Support / Admin

Oct. 2010 – Apr. 2019

- Maintained Linux OS images and provided full-stack IT support.
- Administered OCS systems and improved organizational productivity.

Teaching & Consulting

UNIVERSIDAD TECNOLÓGICA DEL URUGUAY & FACULTAD DE INGENIERÍA (PART-TIME)

Montevideo, Uruguay

University Professor

Aug. 2023 – Present

- Deliver “Data Structures and Algorithms” focusing on problem-solving, complexity, and practical programming.
- Teach .NET framework workshops and provide individualized mentorship to students.

GRUPO ELIS (PART-TIME)

Architect

May 2024 – Present

- Redesigned and migrated a system for conference and event registration.
- Modernized technical stack using Golang, TypeScript, Node.js, PostgreSQL in a monorepo architecture.

HACK ACADEMY (PART-TIME)

Montevideo, Uruguay

Node.js Professor

Sep. 2021 – Jan. 2023

- Taught Node.js to students with varying levels of programming knowledge.
- Offered hands-on mentoring to help learners master core backend concepts.

NUBCEO (PART-TIME)

Technical Consultant

May 2021 – 2023

- Provided architectural guidance, conducted code reviews, and led technical evaluations.

Education

TECNÓLOGO EN INFORMÁTICA

Facultad de Ingeniería, Universidad de la República

2018 – 2021

- Focused on software development and IT systems design.

BACHELOR IN IT

Instituto Tecnológico Industrial (UTU)

2008 – 2011

- Studied foundational IT concepts and practical software applications.


C1 ADVANCED CERTIFICATE


Anglo Institute


2024 – 2024


- Achieved CEFR C1 level in English proficiency (Cambridge Advanced Certificate).


Skills

-  **Programming Languages**

TypeScript / JavaScript • Go / Java / C# • GraphQL • REST / gRPC / WebSockets
-  **Backend Frameworks & Databases**

Nest.js / Express / .NET Core / Spring • PostgreSQL / MongoDB / Redis / Neo4j
-  **Cloud Platforms & DevOps**

AWS • Docker / Kubernetes • Terraform • CI/CD pipelines • Git / Linux / Shell scripting
-  **Messaging & Queues**

Kafka / RabbitMQ / ActiveMQ / SQS
-  **Languages**

Spanish (Native) • English (C1 – Advanced)