

Facundo Rodriguez

Tandil, Buenos Aires, Argentina

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ABOUT

Systems Engineer with extensive experience as a Backend Developer, particularly in the healthcare industry. Skilled in designing and building robust server-side solutions, with a strong focus on web and mobile application development.

EDUCATION

UNICEN, Buenos Aires, AR

2013 - 2022

B.S. in System Engineering

UNICEN, Buenos Aires, AR

2024 - Present

Ph.D. in Computational and Industrial Mathematics

SKILLS

Programming Languages: Javascript, Typescript, Java, Python

Spoken Languages: English, Spanish

Tools: Nest.js, Angular, Node.js, AWS, Docker, React Native, PostgreSQL, MongoDB, Google Cloud Platform, Stripe, Jest, GitHub Actions, GraphQL, Cursor, Cline, Taskmaster

EXPERIENCE

Senior Software Backend Engineer

Remote

WhitePrompt

Nov. 2024 - Present

- Axsome:
 - Led the design and development of scalable APIs using Nest.js, GraphQL, and AWS for a medical tracking system.
 - Worked closely with the product and medical teams to model complex treatment and medication data with high accuracy and privacy.
 - Developed a voice transcription feature that allows users to submit audio recordings, which are processed via AWS Transcribe and stored for further analysis and documentation.
 - Deployed and maintained infrastructure using AWS Lambda, API Gateway, SST for cost-effective, serverless operations.
- JointOps:
 - Led the development of a full-stack inventory management system for knee surgery implants using React, Next.js, and Supabase, improving tracking efficiency and data accessibility for medical staff.

Senior Software Backend Engineer

Remote

Koombea

Oct. 2023 - Nov. 2024

- CyberPatient:
 - Built RESTful and GraphQL APIs in Nest.js for a healthcare simulation platform designed to train medical students through interactive virtual scenarios.
- SecondNature
 - Developed a middleware service to integrate NetSuite ERP with Stripe, improving payment processing and reconciliation for SecondNature, a wellness app.

Senior Software Backend Engineer

Remote

DeepHow

Sep. 2021 - Oct. 2023

- Developed and maintained a set of Node.js-based microservices (Express, MongoDB, Redis) for DeepHow, an AI-powered video knowledge management platform tailored for industrial training.
- Created a *Zoom Marketplace app* to fetch, process, and sync video recordings with DeepHow's system, enabling automated video content ingestion.

- Developed internal SDKs and reusable modules to unify business logic across services, improving team velocity and reducing bugs.

FullStack Engineer

BeeReal

Remote

Aug. 2020 - Sep. 2021

- Worked on DHL's logistics applications, contributing to the frontend (Angular) and backend (Node.js with TypeScript) features for warehouse operations, route optimization, and shipment tracking tools.
- Optimized backend processes and database queries in PostgreSQL to support thousands of active daily shipments with minimal latency.

FullStack Engineer

Hepa

Tandil, Buenos Aires, Argentina

Mar. 2019 - Aug. 2020

- Designed and implemented a web-based simulator for vital signs monitoring in clinical training scenarios, aiding veterinary students in emergency response protocols.
- Collaborated with medical professionals to ensure clinical accuracy in physiological modeling.
- Designed and developed an mobile application for a video-assisted urethral catheterization system, using React Native.

ABAP Developer

Tivit

Tandil, Buenos Aires, Argentina

May. 2017 - May. 2018

- Developed custom SAP ABAP modules for finance and inventory management in large-scale ERP deployments.
- Participated in full software lifecycle for multiple clients, including requirements gathering, technical specifications, development, and production deployment.
- Collaborated with cross-functional teams on Software Factory projects to implement reusable components and accelerate delivery timelines.