Ariel Righi

Backend Developer

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Professional Summary

Backend Developer with 1 year of hands-on experience in Node.js, NestJS, TypeScript, and Generative AI solution**s**, backed by over 10 years in the video game industry where I progressed to Lead Game Designer. I bring a unique blend of technical development skills and proven project management expertise, having led multidisciplinary teams through complete product lifecycles from concept to delivery.

I excel at translating business needs into actionable technical solutions, managing projects with Agile methodologies (Scrum, Jira, Trello), creating user stories, maintaining backlogs, and implementing Gitflow workflows. My client-focused approach combines strong communication skills, adaptability under pressure, and a deep understanding of the full development process—delivering scalable backend solutions that directly impact business objectives and team efficiency.

Professional Experience

Backend Developer & Project Manager | Jan 2025 - May 2025
Internal Admin Platform - Mining Services Client

- Developed an internal administration platform for the mining industry to streamline operational processes and improve data management efficiency.
- Led the project as Project Manager, translating client needs into clear user stories and managing the project backlog in Jira.
- Designed the complete database architecture using PostgreSQL for scalable data handling.
- Acted as a core backend developer, actively contributing to the implementation of business logic and system integrations using NestJS and TypeScript.
- **Technologies:** NestJS, TypeScript, PostgreSQL, Jira.

Backend Developer | May 2025 - Present
 Segimed - Internship

- Contributed to a healthcare management platform connecting patients, doctors, and administrators through a comprehensive telemedicine solution.
- Designed and maintained RESTful APIs with NestJS and TypeScript, implementing a modular architecture.
- Modeled complex data in PostgreSQL with Prisma ORM, including a multi-tenant system for appointment, order, and prescription modules.
- Implemented authentication with JWT/bcrypt, a granular roles and permissions system, and protected endpoints using custom guards.
- Integrated external services like Twilio and Cloudinary, and consumed third-party medical APIs.
- Wrote unit tests with Jest, documented endpoints with Swagger, and managed database migrations.
- Participated in sprint planning, task monitoring, Docker implementation, and CI/CD automation.
- **Technologies:** NestJS, TypeScript, PostgreSQL, Prisma ORM, JWT, Docker, Jest, Swagger, Twilio, Cloudinary.

Backend Developer | January 2024 - June 2024
 Swaplyar - Internship

- Contributed to the development of a platform to facilitate international transactions for individuals and businesses, implementing secure authentication and data management.
- Developed and maintained RESTful APIs using Node.js and Express.js.
- Implemented secure authentication with JWT and bcrypt, and managed data with Google Sheets.
- Auto-documented endpoints with Swagger and validated data with express-validator.
- Deployed the backend to Vercel and followed the Gitflow methodology for version control.
- **Technologies:** Node.js, Express.js, JWT, bcrypt, Google Sheets API, Swagger, Vercel, Gitflow.

Lead Game Designer / Level Designer / QA | January 2023 - May 2025
 Sneakfly Productions

- Designed core gameplay loops, levels, and challenges for videogames.
- Led a small team and managed the project backlog, ensuring efficiency and goal attainment.
- Coordinated team workflows for efficient execution and adherence to project goals.

Video Game Industry Experience | 2012 - 2024

- **Project & Design Lead** (2020 - 2024): Led multidisciplinary teams, managing the full project lifecycle from initial concept to final delivery. Created user stories and managed backlogs with tools like Jira and Trello.

- **Game Designer** (2016 - 2020): Contributed to the development of prototypes, AI systems, and level design for various titles.
- **3D Artist** (2012 - 2016): Specialized in 3D modeling, rigging, and retopology.

Projects

Ecommerce Monolith Foundation | October 2025
 Role: Backend Developer

- An enterprise-level monolithic backend built with NestJS to demonstrate technical excellence in database optimization, DevOps practices, and deliberate architectural planning through professional documentation and ADRs.
- Achieved significant performance gains (up to 95% improvement) by implementing 34 strategic database indexes in PostgreSQL.
- Built a comprehensive testing suite with 425 unit and 89 E2E tests, reaching 74.69% code coverage.
- Implemented an advanced authentication/authorization system with JWT (Access/Refresh tokens) and role-based access control.
- Automated a full enterprise-grade CI/CD pipeline using GitHub Actions, including quality gates and security scanning.
- **Technologies:** NestJS, TypeScript, PostgreSQL, TypeORM, Docker, Jest, Swagger, GitHub Actions.
- **Repository:** Github

Education

Henry Bootcamp - Full Stack Web Developer (800 hours) | 2024

Argentina Programa - Introduction to programming and backend development | 2023

Languages

English: B1 (Intermediate)
Spanish: Native