

# Mauro Genna

Full Stack Engineer | SaaS & AI Product Development

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Startup Product-Oriented Full Stack Engineer building and scaling SaaS platforms from MVP to production.

I specialize in designing and shipping end-to-end systems across backend and frontend using NestJS, TypeScript, and Next.js, with strong ownership over architecture, scalability, and revenue-critical features.

As a core contributor in small, high-autonomy teams, I have delivered AI-powered products, migrated billing infrastructures, and launched platforms serving 1,500+ venues and 1,100+ active users in US markets.

Driven by ownership, execution, and product thinking, I thrive in fast-paced environments where technical decisions directly impact growth and business outcomes.

## WORK EXPERIENCE

### Software Engineer

*Highpoint Growth Networks* | United States | March 2024 - Present

- Core engineer in a 5-developer team maintaining and evolving a production ad-tech SaaS platform serving 1,500+ venues, 1,100+ active users, and 250+ advertisers.
- Led the full platform redesign, modernizing the frontend architecture and improving scalability, maintainability, and long-term extensibility.
- Owned end-to-end feature delivery across database modeling, backend services (NestJS), and frontend applications (Next.js, React, TypeScript).
- Architected and executed the migration from Hyfin to an in-house billing system, successfully transferring ~200 active subscriptions while ensuring billing continuity and data integrity.
- Designed and implemented data migration strategies to protect recurring revenue and minimize operational disruption.
- Actively contributed to technical planning, estimations, and architectural decisions alongside senior engineers.
- Translated business growth objectives into scalable production-ready systems.

## Full Stack Engineer (AI-Focused Projects)

*UseTeam | Spain | April 2025 - Present*

- Key contributor in a 3-engineer squad delivering AI-powered MVPs for international clients across multiple industries.
- Delivered 5+ AI-driven MVP platforms from concept to production within small, high-autonomy teams.
- Led frontend implementation in multiple projects, independently building scalable and production-ready interfaces using React, Next.js, and TypeScript.
- Integrated AI systems into real-world applications, including:
  - AI-powered job portal platform.
  - Collaborative task and idea management system (Miro-style).
  - AI-based beauty image generator with e-commerce integration.
  - Voice-AI property management assistant for 50+ residential condominiums in Spain, automating incident reporting and administrative workflows.
- Implemented Retell AI voice automation pipelines that collected structured incident data and triggered backend processes, email notifications, and SMS alerts.
- Contributed to backend feature development, API integrations, and architectural decisions within small, high-autonomy teams.
- Collaborated directly with stakeholders to align technical execution with business goals and client requirements.

## Technical & Strategic Skills

- **Languages & Core Stack**

TypeScript, JavaScript, Node.js, NestJS, React, Next.js

- **Databases & Infrastructure**

PostgreSQL, MongoDB, SQL & NoSQL, Vercel, AWS

- **Architecture & Backend**

REST APIs, Database Modeling, Payment Systems (Stripe), Subscription Logic, Data Migration

- **Frontend & UX**

Component Architecture, Scalable UI Systems, State Management, Performance Optimization

- **AI & Automation**

OpenAI APIs, Retell AI, AI Workflow Integration, Voice Automation Systems

- **Product & Collaboration**

Agile/Scrum, Technical Planning, Feature Estimation, Cross-functional Collaboration

## EDUCATION

- **Full Stack Web Development – Henry Bootcamp (2023)**

Intensive program focused on modern web application development and agile collaboration.

- **Front-End Development – NextU (2022)**  
Training in React-based frontend engineering.

## **LANGUAGES**

- English – Professional working proficiency
- Italian – B1 Certified (CILS – Università per Stranieri di Siena)