

SALVATORE ALESSANDRO D'AMICO

FULL STACK DEVELOPER · IT SPECIALIST

Full-stack developer focused on NestJS + Oracle 9i/SQL Server/MySQL and React/Next.js (Vite). Experienced in refactoring legacy modules (Classic ASP/VBScript), 3CX and Slack integrations, real-time features over WebSocket and secure API design. Attention to performance, UX and code quality. I use AI as a coding copilot, with my own review and verification.

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SKILLS

Frontend
HTML5, CSS/Sass, JS/TS, React/Next, Vite · MUI, Tailwind, Bootstrap · Context API, RTK · i18next, SEO, GDPR

Backend
NestJS (microservices and monolith) · ASP.NET (Web Forms, MVC, Core Web API), C#, EF · JWT in HttpOnly cookies, roles/permissions · WebSocket, 3CX, Slack API, Stripe

Database
Oracle 9i (PL/SQL, EXPLAIN PLAN) · SQL Server · MySQL · MongoDB · Redis

Infrastructure
Cloudflare (Workers, DNS, email) · Linux · Nginx · PM2 · Git

AI and method
AI-assisted development (Claude) with my own code review · code review and documentation

LANGUAGES

Italian: native · English B1 · French A1
Driving licence B, own car

EXPERIENCE

Full-Stack Developer & IT Specialist
Primed Group · 2024–2025

- **Legacy refactor** (Classic ASP → NestJS) on Oracle 9i: monolithic queries split up, targeted indexing and backend post-processing. With AI tools supporting analysis and code writing: from 20 s to ~3 s on critical processes.
- **End-to-end authorization**: profiles, roles, permissions, role-based pages; visit counters; WebSocket to limit simultaneous sessions; real-time notifications.
- **3CX integration**: live call sockets, missed/answered call notifications, extension mapping, CDR with fallback hosts; operator UI.
- **CreditSafe**: scheduled monitoring, customer record updates, payment method changes based on creditworthiness, full audit. **Slack**: channel registry, automatic event messages, Next.js + MUI UI.
- **User change history** (before/after, who/what/when) and **tokens & sessions**: refresh token synchronised across clients via WebSocket.
- **Internal UIs**: reusable React components, KPI tables, MUI X-Charts, "Material Not Available" flows.
- **NestJS microservices**: separate domains (customers, orders, credit, notifications), API versioning, rate limiting, retry/circuit-breaker, healthchecks, graceful shutdown (PM2 cluster); HTTP communication with typed DTOs and consistent error mapping.
- **Security and observability**: access/refresh JWT in HttpOnly cookies with rotation and revocation, targeted CORS, guards/decorators for roles and policies, logging with correlation ids, PII masking, .env handling and per-environment config.

PROJECTS

Software and websites, from code to domain, DNS and email. Details and previews at damicosalvatore.it

- **Casaurea**: management tool for short-term rentals (revenue dashboard, ICS calendar, roles, Lodgify API integration).
- **Bite the Trouble**: online digital menu. **San Antonio Champion**: platform for a football tournament (React + TypeScript, live panels, offline back-office, Electron version).
- **Restofull**: multi-venue SaaS platform for digital menus (Next.js, Prisma, MySQL, Stripe subscriptions, QR codes).
- **Cable** and **BT Darts Score Board**, built with a colleague: a Rust + Tauri desktop app for sharing files on the local network (LocalSend-compatible) and a React + TypeScript PWA with a Fastify API on Cloudflare.

EDUCATION

Full-Stack Developer course · Epicode · 2023–2024

From HTML/CSS to React, Redux, TypeScript, C#, ASP.NET MVC, Entity Framework and SQL Server; module on AI and prompt design.

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