

IONUT-ALEXANDRU NECULA

Full-Stack Developer

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PROFESSIONAL SUMMARY

Full-Stack Developer specialized in architecting enterprise-grade eCommerce platforms and complex business systems. Expert in TypeScript and modular "**Clean Architecture**" with a proven track record of engineering high-stakes financial engines and **leading technical strategy** from concept to production. Driven by SOLID principles and Agile collaboration to deliver **scalable**, high-performance full-stack **solutions**.

EDUCATION

B.Sc. in Computer Science | "Dunărea de Jos" University of Galați (2020 – 2024)

CERTIFICATIONS

Cambridge English: Advanced (CAE) | Cambridge Assessment English

Database Design and Programming With SQL | Oracle Academy

Back-End Engineer Career Path | Codecademy

ECDL Profile Certificate | ECDL Romania

SKILLS

- Full-Stack:** TypeScript, React, Next.js, Astro, Node.js, NestJS, Fastify, MedusaJS.
- Backend & API:** REST, Microservices, Webhooks, Zod, Socket.io, Passport.js.
- Data & State:** PostgreSQL, Drizzle, Prisma, Redis, MongoDB, TanStack Query.
- Infrastructure & Tools:** Docker, GitHub Actions (CI/CD), RabbitMQ/BullMQ, Turborepo, Git.
- Integrations:** Stripe, Mobilpay, FanCourier, Sameday, Smartbill, FGO, OpenAI, DeepL, SendGrid, Postmark.
- Reliability & Methodologies:** Jest, Cypress, SOLID, ACID, OOP, Design Patterns, Agile/Scrum.
- Professional:** Complex Problem Solving, Cross-functional Communication, Technical Leadership.

WORK EXPERIENCE

FULLSTACK WEB DEVELOPER | IV FUTURE

Oct 2022 - Present

- End-to-End Architecture & Leadership:** Spearheaded development of enterprise **eCommerce apps** from database design to production; co-architected a **travel industry platform**, defining the technical stack and leading implementation strategy.
- Complex Business Logic:** Engineered sophisticated **tax calculation engines** and commission frameworks handling **multi-jurisdiction rules** and high-volume financial transactions.
- Modular Infrastructure:** Designed **plugin-based systems** using **Dependency Injection** and Design Patterns, significantly reducing development time and ensuring system extensibility.
- External Integrations & Localization:** Implemented comprehensive **third-party integrations** (Payments, Logistics, AI, Invoicing) and created **scalable translation services** for global platforms.
- Automation, DX & Performance:** Developed **automated data pipelines** and internal scaffolding to streamline workflows; optimized **ORM strategies and caching** to improve API response times.
- Engineering Excellence & Reliability:** Championed **SOLID/Clean Code** via mentoring and code reviews; provided rapid intervention for **production issues** using advanced debugging to minimize downtime.