

IONUȚ-ALEXANDRU NECULA

Full-Stack Developer

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SUMMARY

Full-stack developer (3+ years, TypeScript / Node.js / React) specializing in complex business systems — built the commission, tax, invoicing, and AI-translation engines behind a multi-tenant marketplace platform live across multiple production deployments. Currently sole technical owner of a document-management module on an enterprise banking platform (global professional-services engagement).

EXPERIENCE

Full-Stack Developer — Global Professional-Services Firm, Banking & Financial Services (via IV Future)

Feb 2025 - Present · Romania

- Sole technical owner of a document-management module (processing, archiving, and transmission workflows) on an enterprise FintechOS platform in the banking sector, within a 16-person delivery team.
- Resolved hundreds of production defects and shipped new features on live banking applications (JavaScript, jQuery, T-SQL / SQL Server), including business-logic corrections in financial workflows.

Full-Stack Web Developer — IV Future

Oct 2022 - Present · Galați, Romania

- Architected and evolved a multi-tenant marketplace builder (heavily customized MedusaJS, Next.js, PostgreSQL, Redis) powering **multiple production marketplaces and single-vendor shops from a single codebase**, owning architecture decisions in direct collaboration with the CTO.
- Designed and built a **commission engine from zero** — vendor and platform fee types with configurable application strategies and automated weekly/bi-monthly/monthly settlement — replacing manual spreadsheet-based settlement and supporting **high-volume, multi-vendor product catalogs**.
- Developed an **AI translation system** on OpenAI's batch API (adopted while still in beta) covering **9 languages**, thousands of static labels, and hundreds of thousands of dynamic entity fields with a manual-override layer — turning new-language launches into a **low-cost, ~1-week automated batch process**.
- Automated releases end-to-end (Jira ↔ GitLab status sync, MR and release-tag creation from a single branch push, via GitLab pipelines + n8n), cutting per-release effort **from hours of combined dev + PM work to minutes**.
- Intervened as **first responder on production issues** across dependent deployments, delivering rapid root-cause fixes and same-day stabilization.
- Extended the invoicing system with external processors (**Smartbill, FGO**), integrated **4 payment providers (Stripe, PayPal, Netopia, VivaPay)** and transactional email (Postmark, SendGrid), and maintained the multi-strategy tax engine (EU-focused, US support) — end-to-end localized billing and payments.
- Built a statistics dashboard and a custom analytics module joining **Google Analytics 4** behavioral data with internal transactional records, giving marketplace operators insights unavailable in GA4 alone; also integrated Matomo tracking.
- Authored the code conventions adopted across a **10-15 developer team** on a HoReCa marketplace and enforced them through rigorous code reviews and hands-on mentoring.
- Delivered a truck-management module in **~1 month** — roles & permissions, authentication, points of interest, and an Excel-like interactive import with live inline error correction — still running in production.

PROJECTS (code + documentation on GitHub)

- **JurisLogic** — headless tax & commission microservice: multi-jurisdiction calculation (US sales-tax stacking, EU VAT, UK three-tier VAT, Canada GST/HST) with decimal-precise math. *TypeScript, NestJS, Prisma, PostgreSQL, Redis, BullMQ, Docker, Swagger/OpenAPI, Jest.*
- **Microservices Starter Kit** — 5 NestJS services (gateway, auth, users, products, payments) over RabbitMQ, database-per-service, containerized with CI/CD. *TypeScript, NestJS, PostgreSQL, RabbitMQ, Redis, Docker, Kubernetes, GitHub Actions.*
- **PingLens** — privacy-focused web analytics platform with an AI "data analyst" (natural-language → SQL). *TypeScript, Node.js, Express.js, React, PostgreSQL, OpenAI/Anthropic/Gemini, Docker, Jest.*

SKILLS

- **Languages:** TypeScript, JavaScript, SQL (PostgreSQL, T-SQL), HTML5, CSS3
- **Backend:** Node.js, NestJS, Express.js, MedusaJS, Fastify, REST APIs, Microservices, BullMQ, RabbitMQ, NATS, WebSockets (Socket.IO), Zod, Passport.js, JWT, Strapi
- **Frontend:** React, Next.js, Redux, TanStack Query, Tailwind CSS, Material-UI, Radix UI, React Hook Form, Vite, jQuery
- **Databases & Data:** PostgreSQL, SQL Server, Redis, MongoDB, Prisma, Drizzle, TypeORM, Meilisearch, Typesense
- **DevOps & Tools:** Docker, GitLab CI/CD, GitHub Actions, n8n, AWS S3 / Cloudflare R2 (asset & CDN handling, deployment secrets), Sentry, Grafana, k6, Git, Jira
- **Testing:** Jest, Vitest, Cypress, Mocha/Chai, Supertest
- **Integrations:** Stripe, PayPal, Netopia, VivaPay, Smartbill, FGO, OpenAI, Postmark, SendGrid, GA4, Matomo
- **Enterprise platforms:** FintechOS (certified)

EDUCATION & CERTIFICATIONS

- **B.Sc. Computer Science** — "Dunărea de Jos" University of Galați (2020 - 2024)
- FintechOS Platform Certification · Cambridge English: Advanced — CAE (C1) · Oracle Academy: Database Design & Programming with SQL · Codecademy: Back-End Engineer Career Path

Languages: Romanian (native), English (C1, Cambridge certified)