

RUSLAN ZOTSENKO

Data Platform Engineer

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@ZOR_RZK | Ukraine | Open to Remote / Hybrid / Office

Node.js / TypeScript
NestJS / Express
Python / AI Agents
MongoDB / PostgreSQL
Redis / BullMQ
Claude / LLM API
ETL / API-first arch.

PROFESSIONAL SUMMARY

Backend-oriented Node.js developer with 2+ years of experience building scalable, API-first and event-driven systems. Skilled in designing ETL pipelines, integrating external services, and working with message queues (BullMQ/Redis). Built a production multi-model AI Agent integrating 5 LLM providers (OpenAI, Google Gemini, DeepSeek, Grok/xAI, Ollama) into an Electron-based CRM — hands-on experience with Tool Use, Function Calling, and agent orchestration. Daily user of Claude/Cursor for AI-assisted development (vibe-coding). Strong analytical mindset with a background in digital marketing team leadership.

WORK EXPERIENCE

Backend Developer

09/2023 – Present

Ukraine

Tech Stack: Node.js, NestJS, Express, MongoDB, Cloudinary, JWT, Electron, Redis, BullMQ, Python

- Built internal CRM and admin panels with complex RESTful API architecture and modular NestJS design
- Designed and implemented ETL-like pipelines for data aggregation across multiple internal services
- Integrated external APIs (Cloudinary, JWT auth, third-party services) into unified backend systems
- Used BullMQ + Redis for async background jobs and event-driven workflows — core pattern for data platform pipelines
- Built production multi-model AI Agent integrated into Electron CRM: 5 LLM providers (OpenAI GPT-4o, Gemini 2.5 Flash, DeepSeek, Grok/xAI, Ollama local models), agent orchestration, Tool Use / Function Calling
- Applied Claude/Cursor AI tools daily for faster development: generated pipeline boilerplate, API integrations, and data schemas
- Worked with LLM API (Function Calling / Tool Use) to prototype agent-driven data processing flows
- Implemented authentication systems (JWT, refresh/access tokens), middleware, MVC patterns, clean code principles
- Authored API documentation with Swagger/OpenAPI; wrote unit and integration tests (Jest, Supertest)

Digital Marketing Team Lead

04/2022 – 12/2024

Digital Agency Vdalo, Ukraine

- Led a team of 6, managing performance analytics and campaign optimization across multiple platforms
- Analyzed campaign data from multiple trackers — strong foundation for building bronze/silver/gold data lake architecture
- Built reporting workflows connecting ad platform data with business KPIs — direct analogy to ETL/data contract design

AI & DATA ENGINEERING SKILLS

AI Development Tools

- Built production multi-model AI Agent: OpenAI (GPT-4o/mini), Google Gemini 2.5 Flash, DeepSeek (chat + reasoner), Grok/xAI (grok-2), Ollama (Llama 3.2, local GGUF)
- AI Agent architecture: model routing, context management, provider failover, prompt engineering
- Tool Use / Function Calling — agent-callable functions for real-time data processing

Backend & Infrastructure

- Node.js, TypeScript, NestJS, Express
- Python (AI agents, scripting, automation)
- MongoDB (Atlas), PostgreSQL, Mongoose
- Docker, Docker Compose, Vercel, PM2
- Git, CI/CD basics, WSL2/Ubuntu
- Winston/Morgan logging, Swagger docs

Currently Expanding

- Claude & Cursor — daily vibe-coding: pipelines, data models, API integrations
- AI-assisted code review, refactoring, and documentation generation
- English B1 → B2 (active improvement)

Data & Integration

- ETL pipeline design (extract from APIs, transform, load to DB)
- REST API integration from diverse source systems
- Data contracts & schema validation (Mongoose schemas, OpenAPI specs)
- Event-driven architecture: Redis pub/sub, BullMQ queues

EDUCATION

Full Stack Developer Go IT Programming School	01/2022 – 03/2024
42 Prague Software Engineering	07/2023 – 02/2024
Master's Diploma — Social and Legal Protection Chernihiv Polytechnic National University	2019 – 2021
Bachelor of Law Chernihiv National University of Technology	2015 – 2019

LANGUAGES

Ukrainian — Native Russian — C1 (Advanced) English — B1 (improving) Czech — A2/B1 (Upper-basic)