



ALBOT CIPRIAN

SENIOR BACKEND ENGINEER | NODE.JS & SCALABLE SYSTEMS |
MICROSERVICES | CLOUD-READY ARCHITECTURE

CONTACT

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TECHNICAL SKILLS

Backend Engineering:

- Node.js
- REST APIs
- Modular Architecture
- Microservices
- Service Integration
- Authentication & Authorization
- Secure Business Logic
- API Versioning
- Error Handling
- Logging

Database Engineering:

- PostgreSQL
- SQL Server
- Oracle
- MongoDB
- T-SQL
- PL/SQL
- Database Modeling
- Indexing
- Query Optimization
- Performance Tuning
- Data Integrity & Validation

Data & Automation:

- Python (Pandas, SQLAlchemy)
- ETL Pipelines
- Data Transformation
- Data Reconciliation
- API-to-Database Ingestion
- Automation Scripting
- Reporting Logic

LANGUAGES

- Romanian: Native
- Russian: C1 (Fluent)
- English: C1 (Advanced)
- French: B1 (Intermediate)

PROFILE

Software engineer with over 4 years of progressive experience across data analytics, database engineering and backend system development within banking and enterprise environments.

I started my journey working closely with data teams, focusing on analytics, SQL optimization and ETL automation, where I developed a strong understanding of how systems store, transform and validate information at scale. This foundation later evolved into backend development roles within the banking sector, where I contributed to transaction processing logic, insurance service integrations and production-grade APIs.

Over time, my focus expanded from data workflows to full backend architecture – designing modular services, optimizing databases, implementing secure business logic and managing infrastructure environments (VPS, Dockerized systems, cloud-ready deployments).

In parallel with corporate roles, I build and maintain my own production platforms (Instastore.md and SaaS initiatives), where I am responsible for end-to-end system architecture – from database modeling and backend implementation to deployment strategy, scalability planning and long-term maintainability.

My professional growth reflects a transition from data-centric engineering to scalable backend systems, combining analytical depth with architectural thinking and production responsibility.

I prioritize clean architecture, performance optimization and systems designed not only to function reliably today, but to scale sustainably tomorrow.

WORK EXPERIENCE

● Lead Developer (Self-Employed / Contract)

Xelack Technology

Sep 2025 – Present

- Architect and implement scalable backend systems for internal and client-facing applications.
- Define service boundaries and design modular, maintainable system architecture.
- Establish backend development standards, code review practices and deployment workflows.
- Manage production infrastructure (VPS, databases, CI/CD pipelines) ensuring system reliability.
- Lead technical decision-making for long-term scalability and performance optimization.
- Optimize database schemas and queries to improve response time and system efficiency.
- Coordinate backend releases and ensure production stability across environments.

● Senior Backend Developer

Corporate Man SRL

Feb 2026 – Present
Contract

- Develop and maintain backend services and REST APIs.
- Implement modular service architecture and secure business logic.
- Design and optimize database structures and SQL performance.
- Integrate internal/external services and maintain reliability in production.
- Collaborate in Agile environment with cross-functional teams.

Banking & Enterprise Systems:

- Transaction Processing Logic
- Insurance Service Integration
- Payment System Integration (MIA)
- Financial Data Workflows
- Production Support & Debugging

Infrastructure & DevOps:

- Docker
- VPS Management
- Linux Environments
- CI/CD Concepts
- Deployment Pipelines
- Environment Configuration
- Monitoring & Observability Basics

Testing & Quality:

- Selenium
- Appium
- API Testing
- Postman
- Automated QA Workflows

Tools & Collaboration:

- Git
- Agile / Scrum
- Cross-functional Collaboration
- Technical Documentation

EDUCATION

COLLEGE

CEITI, Chişinău

- Completed professional development in Database Administration

2019-2023

UNIVERSITY

USM, Chişinău

- I am a part-time student in the 4th year at the university, specializing in Applied Information Science.

● Lead Developer

Movio Solution SRL "Instastore.md"

Nov 2025 - Present
Contract

Full-stack marketplace platform built and managed independently.

- Designed full system architecture (frontend + backend + PostgreSQL).
- Implemented marketplace logic (sellers, orders, products, roles).
- Built scalable backend logic and modular structure.
- Managed infrastructure (Vercel + Neon + VPS).
- Integrated payment flows and authentication systems.
- Designed SEO-optimized landing architecture (25+ programmatic pages).
- Continuously expanding platform with new modules and microservice-ready structure.

● Product Architect & Backend Developer

SaaS Project (Confidential - In Development)

Dec 2025 - Present -
Contract

- Designing scalable SaaS architecture.
- Implementing backend logic and database modeling.
- Developing modular service-based backend structure.
- Preparing system for future multi-tenant environment.
- Working on cloud-ready deployment model.

● Data analyst

maib

Feb 2025 - Feb 2026

- Built automated data workflows (Python + SQL) to support banking product analytics.
- Implemented validation and reconciliation checks to improve data reliability.
- Investigated and resolved data inconsistencies at database level with IT teams.
- Optimized SQL queries and reporting datasets for faster delivery of insights.
- Supported reporting logic and data flows used by banking and product teams.

● Middle Software Developer

EXIMBANK - Bank of Intesa Sanpaolo

APR 2024 - FEB 2025

- Developed and optimized backend services/APIs for mobile and web banking.
- Participated in MIA payment integration ensuring secure transaction flows.
- Built analytics extracts using Python/SQL and automated QA checks (Appium/Selenium).
- Containerized services with Docker and supported improvements in deployment stability.
- Collaborated with vendors and internal teams on integrations and production releases.

● IT Manager

Fujikura Automotive Europe

Feb 2024 - Apr 2024

- Implemented disaster recovery processes for production-critical IT systems.
- Managed local servers and IT infrastructure, ensuring operational continuity.

● Data Analytics Manager

Unifun International

Mar 2023 - Dec 2023

- Administered the main analytics server and optimized ETL processes for real-time data aggregation.
- Designed Tableau dashboards and managed the Tableau server for business-critical insights.
- Created Python scripts for data synchronization and aggregation across servers.
- Configured and maintained Grafana for real-time system monitoring.
- Coordinated the analytics team, ensuring timely delivery of insights and reports.

● **Freelance Software & Data Solutions** Sep 2020 – Present | Remote
Architect

- Designed and implemented scalable backend systems and database-driven applications using Microsoft SQL Server and ASP.NET.
- Architected RESTful APIs and integrated dynamic data workflows across multiple client environments.
- Developed ETL pipelines and automation scripts for data ingestion, transformation and reporting.
- Modeled and optimized relational databases to support high-volume data processing.
- Delivered end-to-end analytics and reporting solutions using Python and BI tools.
- Managed deployment environments, version control and modular architecture practices.
- Provided technical consulting on system design, data architecture and performance optimization.