

# Vlad M.

AI ENGINEER · BLOCKCHAIN ARCHITECT · SENIOR NODE.JS / NESTJS & PHP DEVELOPER

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Senior software engineer with 18+ years of professional experience and 30 years of hands-on programming background, specializing in backend development, AI engineering, and blockchain/Web3 systems. Deep expertise in Node.js, NestJS, PHP, microservices, and distributed architectures, with a strong foundation in information and network security. Proven track record of designing, building, and scaling production systems across SaaS, fintech, and e-commerce domains.

## Core Competencies

AI Engineering & LLM Integrations

Backend Architecture & Microservices

Distributed Systems & Performance Optimization

Blockchain / Web3 Development

Security-Oriented Engineering

## Technical Skills

### AI / LLM

AI Pipelines, LLM Integrations, Conversational AI, Voice AI, Prompt Engineering

### BACKEND & ARCHITECTURE

Node.js, NestJS, PHP, Laravel, Microservices, GraphQL, Neo4j, API Development

### BLOCKCHAIN / WEB3

Solidity, Smart Contracts, Ethereum, Web3 Integrations

### FRONTEND

Next.js, React.js, Modern JavaScript

### DATABASES & INFRASTRUCTURE

MySQL, Redis, Elasticsearch, Memcached, Linux, Apache

### SECURITY

Information Security, Network Security, Cryptography, Firewalls, VMware

### LANGUAGES & TOOLS

JavaScript, Go, Git, JSON, XML, OOP

### INTEGRATIONS

WordPress, WooCommerce, Magento, ShipStation, Klaviyo, HubSpot, Various APIs

## ● Professional Experience

### ● AI Engineer — AgentVoice

May 2025 – Present · Remote

- › Developing AI voice platform for real-time conversational applications
- › Building backend services using NestJS and Node.js
- › Implementing frontend features and dashboards with Next.js
- › Integrating and orchestrating multiple LLM providers
- › Designing scalable AI pipelines and production-grade APIs
- › Establishing and optimizing development workflows, code review processes, and deployment pipelines
- › Organizing work processes and coordinating cross-functional development efforts

### ● AI Engineer — Self-employed

Mar 2025 – Present · Remote

- › Building AI-enabled backend services and integrations
- › Developing AI-powered image optimization applications with intelligent compression and quality enhancement
- › Designing automation and intelligent data-processing workflows
- › Delivering end-to-end AI solutions from architecture to production

### ● Senior Node.js Developer — Self-employed

Jul 2021 – Present · Remote

- › Designing and implementing backend systems using Node.js and NestJS
- › Building microservices and GraphQL APIs for enterprise applications
- › Developing analytics applications with real-time data processing and reporting
- › Creating inventory management systems with automated tracking and optimization
- › Building replenishment prediction systems using data analytics and forecasting algorithms
- › Developing custom cryptocurrency payment systems and blockchain integrations
- › Delivering scalable, high-load systems for distributed teams

### ● Blockchain Developer — Self-employed

May 2021 – Present · Remote

- › Developing blockchain applications and smart contracts
- › Building Web3 integrations and backend services
- › Working with Solidity and Ethereum ecosystem tooling
- › Developing DeFi tokens, DEX platforms, and lending protocols

### ● Senior PHP Developer — Freelance

Jun 2018 – Present · Remote

- › Developing and maintaining large-scale PHP applications and custom APIs
- › Extensive work with WordPress, WooCommerce, Magento, Laravel
- › Building and optimizing high-load WooCommerce stores handling thousands of transactions daily
- › Developing custom payment methods and payment gateway integrations for WooCommerce
- › Creating systems and extensions for payment optimizations including restrictions, throttling, and risk filters
- › Developing CRM systems and customizing existing CRM solutions for e-commerce workflows
- › Successfully optimizing performance of high-load projects through caching, database optimization, and code refactoring
- › Payment systems, shipping integrations, automation, performance optimization

### ● PHP Developer — NIX Ukraine

Dec 2012 – May 2020 · Kharkiv, Ukraine

- › Enterprise PHP development and long-term product maintenance
- › API integrations, Elasticsearch, MySQL, Redis
- › Working within structured engineering teams and production environments

### ● Network Security Specialist — Court

2011 – 2012 · Kharkiv, Ukraine

- › Network and infrastructure security operations
- › Firewalls, virtualization, Linux servers, database security



**PHP Developer** — Company name not disclosed

Oct 2007 – Jul 2008 · Kharkiv, Ukraine

- › Full-time PHP development for commercial web applications
- › Backend logic, database-driven features, system maintenance

● **Education**

**MSc, Information Security**

Kharkiv National University of Radioelectronics  
2005 – 2010

● **Languages**

Ukrainian	Native
Russian	Native
English	Professional