DENYS STEPANENKO

Software Engineer - .NET | Full-Stack
Staffordshire, United Kingdom | stepanenko.den2006@gmail.com | +44 7469416917
Authorized to work in the UK | Open to remote, hybrid & on-site roles (UK) | English (B2), Ukrainian, Russian
GitHub: github.com/ezpectus | LinkedIn: linkedin.com/in/denys-stepanenko
LeetCode: leetcode.com/u/ezpectus | HackerRank: hackerrank.com/stepanenko_den21

SUMMARY

Software Engineer (C#, ASP.NET Core, Node.js, React, TypeScript, PostgreSQL, Docker) - 3 commercial client engagements delivered end-to-end on Upwork. Shipped a Redis-backed observability platform, led a 6-person video platform build (HTTP 206 streaming), and deployed a live Docker Compose editor at docker-viz.netlify.app. Works fast by driving AI coding agents in parallel while personally owning system design and code review.

TECHNICAL SKILLS

- **Languages:** C#, TypeScript, JavaScript, Python, C++, PHP
- **Backend:** ASP.NET Core, .NET, EF Core, Dapper, Node.js, Express.js, FastAPI, SignalR, REST APIs, JWT
- **Data:** PostgreSQL, MySQL, Redis, SQL
- **Frontend:** React, Next.js, TypeScript, TailwindCSS, Vite
- **Reliability:** at-least-once delivery, idempotent APIs, retry/backoff, dead-letter queues, rate limiting
- **Tools & Testing:** Docker, CI/CD (GitHub Actions), Git, xUnit, Moq, Playwright, Clean Architecture, SOLID, DDD, System Design, Agile, Scrum
- **AI-assisted engineering:** Devin, Google Antigravity, Claude Code - parallel agent workflows with personal ownership of architecture and code review

PROJECTS

AI-Assisted Log Observability Platform | Apr - Jun 2026
github.com/ezpectus/AI-Log-Observability-MVP - .NET 10, ASP.NET Core, PostgreSQL, Redis, Dapper, EF Core, React, TypeScript, Python

- Built a real-time log ingestion pipeline using thread-safe concurrent collections; deduplicated exceptions via SHA256 hashing before persistence.
- Built a Redis-backed processing queue with a dedicated worker service; split PostgreSQL access between EF Core and Dapper depending on query complexity.
- Delivered SignalR-powered live dashboards for real-time error visibility, plus an AI-assisted analysis flow that proposes C# patches for recurring exception patterns.

VideoHub Platform - Technical Lead, 6-person team | Mar - May 2026
github.com/ezpectus/VideoHub - Node.js, Express.js, TypeScript, PostgreSQL, Prisma ORM, Next.js, React

- Led technical implementation across a 6-person team - architecture direction, dev standards, and PostgreSQL schema for upload, streaming, and social features.
- Implemented HTTP 206 partial-content streaming with range-request handling, plus in-memory view-count batching to cut write contention on popular videos.

Task Manager Platform | Jul 2025 - Jun 2026
github.com/ezpectus/TaskManager_App - ASP.NET Core, .NET, PostgreSQL, EF Core, React, TypeScript

- Designed a full-stack task management platform using Clean Architecture and Domain-Driven Design, keeping business logic independent of infrastructure.
- Implemented JWT authentication, role-based authorization, validation, structured logging, caching, and rate limiting.
- Covered core logic with 75+ unit tests (xUnit, Moq); built a React Kanban dashboard with analytics views.

Docker Compose Visualizer | Jun 2026
github.com/ezpectus/docker-compose-visualizer - Live demo: docker-viz.netlify.app - React, TypeScript, React Flow

- Built and deployed a bidirectional YAML-to-graph editor with AST-preserving edits, supporting multi-file Compose projects.

EXPERIENCE

Freelance Software Engineer - Upwork | Jun 2026 - Present

- Delivered freelance engagements for 3 clients end-to-end - scoping with non-technical stakeholders, implementation, delivery - using an agent-assisted workflow with personal ownership of design and code review.
- Built a PHP/JavaScript business website for Hestia (property services showcase), refactoring the existing codebase for maintainability.
- Delivered client-facing JavaScript calculator tools for ZAMKO BV, including bug fixes and code refactoring for reliability.

Information Security Intern - JCB | Jul & Sep 2024

- Completed a two-part cybersecurity internship covering threat modeling and secure software development lifecycle practices.

EDUCATION

- **National Technical University of Ukraine - Igor Sikorsky KPI**, BSc Software Engineering (distance learning) | 2025 - Present
- **JCB Academy, United Kingdom** - BTEC Level 3 in Computer Science | 2023 - 2025

OPEN SOURCE

- Publish reusable Clean Architecture / lock-free data-structure templates in C# & C++; solved 3,200+ algorithmic challenges across LeetCode & HackerRank.