

Oleksiy Zelenyuk

Solutions Architect, Engineering Manager, AI enthusiast

+34605817513 | Valencia, Spain | o@zelen.uk | <https://zelen.uk/>

Summary of Qualifications

I'm an Engineering Manager and Solutions Architect with 17+ years of experience leading distributed teams and building scalable systems across SaaS, fintech, and iGaming. I combine hands-on technical expertise (Ruby, Python, Node.js, PostgreSQL, Docker/Kubernetes, AWS) with strong people leadership, coaching, and process management. My focus is on empowering teams, aligning engineering with product strategy, and ensuring delivery efficiency in remote-first environments. Passionate about innovation, I explore AI and automation to drive both technical excellence and business value.

Practices & Principles

Some of my favorite architectural tools and practices:

- **ATAM** (Architecture Tradeoff Analysis Method)
- **Domain-Driven Design**: Focusing on business capabilities
- Team Topologies & Conway's Law
- **C4 Model**: A Perfect and concise way of technical landscape visualization.
- **Archimate** and **TOGAF** for enterprises
- **Radical Simplicity**
- **Clean Architecture**. Segregation of core business and facilitation layers.
- **Infrastructure as Code**
- **12 Factor Agents**

Tech stack

- **Languages**: TypeScript, Python, Golang, Ruby.
- **Back-End**: Node.js, NestJS, Django, Ruby on Rails
- **Frameworks**: NestJS, NextJS, Django, RoR
- **AI automation**: LangChain/LangGraph, LlamaIndex
- **Front-End (past experience)**: React, Angular, AngularJS.
- **Edge**: CloudFlare Workers
- **Databases**: PostgreSQL/PGVector, Redis, Neo4J, ClickHouse, DynamoDB, MongoDB.
- **MQ & Brokers**: NATS, RabbitMQ, SQS, Celery
- **Cloud Platforms**: AWS, Azure
- **API**: REST/OpenAPI, GraphQL/Apollo, gRPC/Protobuf

- **CI/CD:** Github/Gitlab
- **DevOps:** Terraform/Terragrunt, ECS/Fargate, Lambda, Kubernetes/Helm

Languages

- **English:** C1
- **Ukrainian:** Native
- **Russian:** Native
- **Spanish:** A2

Work Experience

Solution/Enterprise Architect, Consultant, Researcher

Self-employed, JKO Connect (contract-based) | August 2023 – Present

My most recent and impactful experience as an architect has been with JKO Connect, a consultancy where I helped clients overcome their most pressing technical challenges. Fintech and iGaming companies relied on me not only for architecture expertise, but also for guidance through their most complex digital transformations.

Agentic AI Projects

After years as an IT consultancy, JKO Connect pivoted to an Agentic AI company, where I led the infrastructure and delivery of PoCs for AI agentic workflows in the **Legal and Compliance industry**. I designed and implemented **cost-efficient cloud infrastructure** and **CI/CD pipelines** to enable rapid delivery of tailored solutions for prospective clients. I also partnered with technical product managers to shape requirements and transformed vibecoded prototypes into **stable, production-ready software systems**

Tech stack

- LangChain/LangGraph
- Python/Django
- Terraform/Terragrunt
- AWS
- Postgres
- PGVector

Fintech project. From consultant to fractional Head of Engineering

When I joined as a consultant and architect, my work from a short-term technical advisor quickly grew into a mix of strategy, leadership, hands-on design, to a top management role in the client company. An Irish fintech company was stuck with a new platform being underdeveloped and the team was cut, CTO was leaving the company. C-levels were panicking. A small and demotivated development team of three people was left with three different platforms in three different tech stacks (.NET on Azure, Java/AWS on AWS EC2, and Golang/Serverless), with poor infra setup, outdated documentation, and poor communication between the business and technical team.

My role was to **assess the project** and **design a cost-effective solution** that would minimize the risks of knowledge loss and operational disruption, and require less of operational resources. I delivered an **Architecture Vision documentation** outlining a detailed technical assessment of all platforms, a consolidation plan with estimates, roadmap, and a proposed team structure to meet SLA requirements while improving collaboration between developers and business stakeholders.

Once the plan was approved, I took **ownership of architecture governance, technical leadership, and the hiring process**. With the right people in place, we stabilized and hardened the core platform while deprecating costly legacy components, and minimized “KTLO” workload. This restored trust between business and engineering, and enabled the company to shift focus toward delivering new products with confidence.

When the Lead Engineering Manager left, I stepped in to cover his responsibilities for six months, ensuring continuity and knowledge transfer until the new Head of Engineering was hired and fully onboarded.

Tech Stack

- .NET
- Java
- Golang
- React
- AngularJS
- AWS
- Azure
- Github Actions

iGaming project. Optimization of User Path

An iGaming platform with multiple integrated products (casino and sportsbook) was facing high latency and failure rates due to excessive redirects, global traffic distribution, and regional restrictions.

As an **Enterprise Solution Architect**, I investigated the issue and proposed a multi-phase solution to improve performance and availability. This required a cross-domain analysis across infrastructure, business processes, and product teams.

My recommendations included creating new business units and roles, introducing new software components with B2B SaaS potential, and implementing deep infrastructure optimizations.

Results:

- Traffic loss in problematic regions decreased from 20% to 0.5%.
- User hop time improved from seconds to milliseconds.
- The company gained the ability to automatically respond to domain blockages, ensuring continuous availability.

Tech stack

- Golang
- Kubernetes
- Terraform
- AWS
- CloudFlare Workers
- TOGAF
- Archimate

Director of Architecture at CreatorIQ

May 2022 - June 2023

CreatorIQ is a leading platform for Influencer marketing, providing B2B SaaS for brands and marketing agencies for making campaigns in digital marketing.

As Director of Architecture, I analyzed and documented functional and non-functional requirements, assessed the current state of architecture, influenced and mentored teams and grew team leaders, and improved and maintained project documentation. Worked on productizing external API and introduced new features like webhooks, GraphQL, etc.

Impact & Influence

- Led Solution Architecture Group of tech leads and architects
- Assessed and documented functional/non-functional requirements.
- Guided teams in architecture improvements and productized external APIs.
- Introduced GraphQL features, and optimized documentation.
- Productized API for b2b integrations

Tech Stack:

- Architecture Governance & Review
- Project and API Documentation
- Technical Leadership
- Onboarding process optimization
- Architecture and infrastructure unification
- Proof of Concept development
- API Design
- PHP/Laravel
- NodeJS/NestJS
- GraphQL
- AWS/Serverless

Leading Engineering Manager / Backend Architect

CareerKarma | Jan 2021 - May 2022

As an Engineering Manager at CareerKarma, I led the backend and Infrastructure team. Conducted project assessment and tradeoff analysis. Planned and executed significant legacy migrations, security audit and implementation, performance issues discovery, and mitigation. Managed staffing engineers and managers. Handled people management.

We successfully migrated from AWS Beanstalk to Kubernetes. We significantly increased the performance of application and database layers, which allowed the company to introduce new major features, such as audio rooms. And, as a result, raise a new round of investments.

Impact & Influence

- Recruited and interviewed teams of engineers and engineering managers
- Led backend and infrastructure teams through AWS Beanstalk to Kubernetes migration.
- Conducted performance audits that significantly improved database and application layers, enabling the company to raise a new investment round.

- Played a key role in engineering management of backend team

Tack Stack

- React
 - React Native
 - NodeJS
 - Prisma
 - GraphQL
 - Postgres
 - AWS
 - Kubernetes
 - DataDog
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Engineering Manager / Architect

Influencer.com | Mar 2020 - Mar 2021

My first product company experience was with a beautiful, motivated team and a prominent CTO. We produced a new face of product in two web applications on React, took over and migrated legacy applications from the other team, and created GraphQL layer API. My team and I improved database, backend, and frontend performance. The team had been deeply involved in requirement gathering and writing user stories.

- Led and managed technical team
- Facilitated development and release of two vital b2b and b2c products
- Modernized legacy applications and built new products using React and GraphQL.
- Led performance optimizations on the backend and database layers.

Problems solved:

- Legacy Migration (AngularJS -> React, Monolith -> Microservices, REST -> GraphQL)
- Performance Optimization
- Infrastructure Migration
- System Design
- Architecture Review

Tech Stack

- NodeJS
- GraphQL
- Postgres

- React
 - AngularJS
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Software Architect at SoftServe

SoftServe | Jan 2017 - Mar 2020

I joined SoftServe for the second time as an architect, but I studied how to do it right there. Thanks to the Architecture Rampup Program, which Software Engineering Institute, Carnegie Mellon University, led. I was involved in over a dozen projects in different business domains during this period and worked with many smart people in the “Centre of Excellence,” which was a specific department dedicated to presales, discovery, and the most complex problems other departments couldn’t solve, such as performance issues, high complexity, complex integrations, new and/or unfamiliar technologies, etc.

I learned and am certified in key methodologies I use now, including Architectural Tradeoff Analysis, the core discipline of Software Architecture.

- Played essential role in Project Discoveries
 - Project Assessments and consulting
 - Presales activities
 - Early-stage tech leadership and mentorship
 - Close collaboration with business analysts and product managers
 - Provided architecture consultancy across multiple domains.
 - Certified in key methodologies, including Architectural Tradeoff Analysis and Domain-Driven Design.
 - Angular
 - React
 - NodeJS
 - Neo4J
 - AWS
 - Azure
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Tech Lead at Symphony Solutions

Jan 2015 - Jan 2017

A fantastic experience on a sports betting project for a UK-based customer was the atmosphere of a product company for the first time for me, where the hosting company made this atmosphere even much better. Here was my dream team and my first experience as a full-stack developer and de-facto application architect, including React frontend, NodeJS backend,

event-driven architecture, and scalable microservice infrastructure. We produced awesome animated widgets of sports visualization that were the greatest visual part of the sportsbook.

- Architected and developed full-stack solutions for a UK sports betting platform, leading the team through event-driven architecture and microservice implementations.

Stack

- AngularJS
- React
- NodeJS
- Redis
- AWS
- Docker

Software Developer at SoftServe

Nov 2011 - Dec 2014

- Developed and maintained user-friendly web applications and mentored junior developers.

Stack

- Frontend development
- JavaScript
- AngularJS
- BackboneJS
- HTML
- CSS

Own online projects

Self-employed | 2008-2010

My first job was my own startup in tourism. I co-founded and developed end-to-end. We created a web application for booking tours and excursions. I was responsible for the whole technical part, including the architecture, development, and deployment. I was also involved in the business part, including marketing, sales, and customer support.

Tech Stack

- PHP
 - MySQL
 - SEO optimisation
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Education & Certifications

- **Building AI Agents with Multimodal Models from [NVIDIA](#)** | May 2025
- **AWS Certified Solutions Architect – Associate** | April 14, 2023
- **Software Architecture Principles and Practices** | Carnegie Mellon University, 2019
- **B.Sc. in Computer Science** | Yalta Management University, 2010