

Igor Golovchuk

Solutions Architect | Principal Software Engineer

Western Ukraine | igor@golovchuk.org | 13+ years of experience

Hands-on Solutions Architect and Principal Software Engineer with 13+ years of experience designing, modernizing, and delivering production systems across .NET backend engineering, cloud infrastructure, DevOps, and distributed systems.

PROFESSIONAL EXPERIENCE

Technical Architect / Principal Software Consultant at golovchuk.org

Dec 2023 - Present | Remote

Hands-on architecture and software engineering engagements focused on modernizing production systems, delivering business-critical capabilities, improving cloud infrastructure, and reducing technical debt.

Key Responsibilities:

- Design solution and software architectures for cloud-native, distributed, and backend systems
- Build and modernize .NET services, APIs, integrations, and production applications
- Design cloud infrastructure and delivery workflows using Azure, AWS, Docker, Kubernetes, and CI/CD
- Lead technical discovery, architecture decisions, implementation planning, and engineering delivery
- Improve scalability, reliability, security, observability, maintainability, and cloud cost efficiency
- Introduce practical agentic software engineering workflows using GitHub Copilot, Codex, Claude, and Cursor
- Design and integrate LLM-powered features and services into existing software platforms
- Collaborate with product, engineering, infrastructure, and business stakeholders across multiple domains

Application Architect at N-iX

Aug 2022 - Jul 2024 | Office/Remote

Client: UK's leading specialist currency and asset manager, Fintech

Led architecture and digital-transformation initiatives for a global specialist currency and asset manager operating in a highly regulated financial environment.

Key Achievements:

- Designed domain and solution architecture for an Azure-based enterprise platform
- Applied Domain-Driven Design to define domain boundaries, services, and integration patterns
- Designed cloud-native microservices using .NET, Azure, and Azure Kubernetes Service
- Translated strategic business goals into architecture roadmaps with business and technical stakeholders
- Defined scalable, secure, and maintainable technical solutions aligned with regulatory requirements
- Guided cross-functional teams through architecture decisions and implementation
- Contributed hands-on to technical design and delivery where required
- Supported modernization of legacy capabilities and their transition to cloud-based services

Lead/Principal Engineer at N-iX

Jun 2020 - Jul 2022 | Office/Remote

Client: One of the largest Canadian brokers, a digital bank, and a Fintech

Led solution design and hands-on engineering for a cloud-native digital banking platform built for a major Canadian financial-services organization.

Key Achievements:

- Designed architecture and technical solutions for mortgages, loans, payment cards, customer risk assessment, reporting, and core banking
- Translated business requirements into architecture decisions, technical specifications, and delivery plans
- Designed cloud-based microservices and distributed application workflows
- Guided engineers through solution design, technical requirements, and implementation
- Collaborated with business stakeholders, product teams, architects, and engineering teams
- Contributed directly to implementation of critical platform capabilities
- Supported backlog refinement, technical decomposition, and delivery planning

Senior/Lead Engineer at EPAM

Feb 2020 - Mar 2020 | Office

Joined EPAM for a client-facing Team Lead engagement that was cancelled during the initial COVID-19 project freezes. EPAM had no comparable assignment available during that period.

Key Achievements:

- Completed EPAM technical onboarding, leadership and management programmes, and Solutions Architecture School
- Contributed to an internal Artificial Intelligence Game Challenge

Senior / Lead Software Engineer | Academy Technical Expert at SoftServe

May 2017 - Jan 2020 | Office

Client: US Enterprise document and content management company

Designed and delivered integrations between Microsoft Outlook applications and a cloud platform for legal professionals.

Key Achievements:

- Led architecture and implementation of Outlook integrations across iOS, Android, web, macOS, and Windows
- Designed secure authentication and authorization workflows using OAuth 2.0 and Authorization Code Flow with PKCE
- Delivered critical desktop capabilities including automatic updates, asynchronous filing, and extensibility
- Selected technologies and designed cross-platform integration patterns
- Created a product capability recognized by the client as a key competitive differentiator
- Helped identify a new business opportunity that resulted in an additional project
- Mentored and led eight trainee developers as a technical expert in the SoftServe Academy

Middle / Senior Software Engineer at Arrow Digital

Nov 2016 - May 2017 | Office

Client: One of the Big Four auditors in the US and the World, Fintech

Delivered fintech and regulatory-reporting applications for a Big Four professional-services organization in the United States.

Key Achievements:

- Implemented country-by-country reporting and trial-balance solutions
- Built integrations between financial-reporting systems
- Delivered web, API, and desktop application capabilities
- Supported production releases for complex, high-profile projects

- Successfully contributed to four client projects

Junior / Middle Software Engineer at ELEKS

Jan 2016 - Nov 2016 | Office

Client: Private hospitals in Ukraine and Eastern Europe, Healthcare

Developed healthcare software for hospitals and private clinics across web, desktop, and mobile platforms.

Key Achievements:

- Designed and implemented a warehouse-management capability for a major private clinic
- Built and supported iOS and Android applications for patient records and appointment scheduling
- Integrated barcode-scanning hardware with clinical software
- Worked with DICOM and HL7 healthcare interoperability standards
- Contributed across a multidisciplinary team of approximately 25 people
- Delivered software used across projects in Ukraine, Poland, and Moldova

Trainee / Junior Software Engineer at Skaveetech

May 2014 - Dec 2015 | Remote

Delivered 15 software projects for clients in the United States, Norway, Denmark, and the United Arab Emirates.

Key Achievements:

- Provided end-to-end delivery from solution and database design through implementation, deployment, and support
- Built web applications, desktop software, APIs, and backend services
- Worked directly with international clients in a remote delivery environment
- Contributed to healthcare, communications, hospitality, media, and time-tracking products

TECHNICAL SKILLS

Cloud Platforms

Microsoft Azure, AWS (Amazon Web Services), Google Cloud Platform (GCP)

Backend & Languages

.NET 6+, .NET Framework, C#, ASP.NET, Node.js, Python, REST API, GraphQL, gRPC

Architecture & Design

Solution Architecture, Software Architecture, Cloud Architecture, System Design, SEI Approaches, Domain-Driven Design (DDD), Microservices, Serverless, Event-Driven Architecture, CQRS, API Design, DAPR, C4, UML

WebUI

React, Angular, TypeScript, JavaScript, HTML5/CSS3

Mobile

Xamarin native, Flutter

Data & Storage

SQL Server, PostgreSQL, MySQL, CosmosDB, DynamoDB, MongoDB, Blob Storage, Redis, Entity Framework, Dapper

DevOps & Infrastructure

Docker, Kubernetes, CI/CD, Azure DevOps, GitHub, Infrastructure as Code, Platform Engineering, Observability

Integration & Messaging

Azure Service Bus, SNS/SQS, Event Grid, Message Queues, Webhooks

Security & Compliance

OAuth 2, Identity Server, SSO, GDPR, KYC

Agentic Software Engineering

GitHub Copilot, OpenAI Codex, Claude, Cursor, Generative AI Integration, AI-Assisted Software Development

Domain Experience

FinTech, HealthTech, Banking Systems

CERTIFICATIONS

- Microsoft Azure Solutions Architect Expert - Microsoft
- Microsoft Azure Administrator Associate - Microsoft
- MCSA: Web Applications - Microsoft
- Developing ASP.NET MVC Web Applications (70-486) - Microsoft
- Programming in C# (70-483) - Microsoft

EDUCATION

Master's Degree in Computer-Aided Design

Lviv Polytechnic National University (2015 - 2016)

Bachelor's Degree in Computer Science

Lviv Polytechnic National University (2011 - 2015)