Yaroslav Yushchenko

contact@yaroslavyushchenko.com • +38 (098) 292-21-11

yaroslavyushchenko.com • LinkedIn • GitHub

Based in **Kyiv, Ukraine** • Ukrainian citizenship

Summary

.NET Full-Stack Engineer with 4+ years of experience on a SaaS AI telephony platform: backend architecture and business logic, a custom workflow engine with its own domain-specific language, the Angular frontend, CI/CD and observability on Azure Cloud and Linux.

Professional experience

2022 – Present **Full-Stack Engineer** – NDA Client (US)

- Built a real-time telephony pipeline for AI-powered voice conversations, handling bidirectional audio streaming, audio transcoding, and speech recognition/text-to-speech integration.
- Designed the workflow engine and its domain-specific language (DSL) for formulas and templates: lexer, parser, evaluator and function library, so new business scenarios are configured instead of coded.
- Built localization: background translation with OpenAI, review and editing of translations, and language switching at runtime.
- Built core parts of the Angular frontend, including dashboards and user-facing panels, and contributed to its overall architecture.
- Implemented a cross-browser microphone recording component and an audio player with shared context and state.
- Set up and maintained the Azure Cloud infrastructure, CI/CD pipelines, tracing, structured logging and frontend monitoring with OpenTelemetry and Grafana.

Technical skills

Programming	C#, Java, JavaScript, TypeScript, Python, C
Backend	.NET Core, MS SQL, PostgreSQL, Redis, Elasticsearch, RabbitMQ
Frontend	Angular (v2+), React, Next.js, Sass, Tailwind CSS
DevOps	Azure, Docker, Git, Azure DevOps, GitHub, Ubuntu, FFmpeg, ImageMagick
Observability	OpenTelemetry, Grafana, Kibana
Languages	English B1 • Polish B2 • Ukrainian (native)

Education

2026 – Present **Kyiv Polytechnic Institute** – Kyiv, Ukraine
Bachelor, Engineering of Intelligent Electrotechnical and Mechatronic Complexes

2020 – 2024 **University College of Enterprise and Administration** – Lublin, Poland
Bachelor, Information technology