

MEHMET EMIRHAN KOÇER

Full-Stack Developer

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PROFILE

Full-stack developer and Computer Engineering student in Warsaw. I build and ship complete products rather than prototypes — most recently **ShortPulse**, an open-source AI agent that turns a topic into a ready-to-post vertical video, end to end from script to final render. Comfortable across the stack: React and Next.js on the front, Python/FastAPI and Node.js on the back, plus media pipelines built on FFmpeg.

PROJECTS

ShortPulse — creator & maintainer 2025 – present
shortpulse.app · github.com/tylkokcr/ShortPulse · MIT licensed

- Open-source AI agent that turns a single topic into a finished vertical video: script, voiceover, word-synced captions, visuals and background music, in 9 languages and 6 art styles.
- Designed and built the whole pipeline — LLM script generation, text-to-speech, word-level caption alignment, and FFmpeg composition and rendering.
- Ships two ways from one codebase: self-host locally for free, or a hosted pay-per-video service with Stripe billing and no subscription.

FlowPulse — creator & maintainer 2026
github.com/tylkokcr/FlowPulse · MIT licensed

- Open-source local proxy for AI workflows: it sits between the app and OpenAI, Anthropic or Ollama and records every request's cost, token use, latency and time-to-first-token.
- Built a Cost Guard that rejects a request before the upstream call whenever it would exceed a daily budget or a per-request token ceiling, plus a Next.js dashboard fed over WebSocket.
- Node.js and Fastify, streaming and non-streaming, shipped with Docker Compose and a `node:test` suite running in GitHub Actions.

Personal portfolio — design & build 2026
emirhankocer.com

- Hand-written single-page site — animated canvas background, custom cursor and runtime palette switcher, no framework or build step — accessible by construction, honouring *prefers-reduced-motion*, keyboard focus states and a no-JavaScript fallback.

EDUCATION

Computer Engineering (Informatyka, engineer's degree) Sep 2024 – present
[Uniwersytet WIZJA, Warsaw](https://www.vizja.edu.pl) · currently 3rd year

- Specialising in web and backend application development.
- Coursework projects in JavaScript, React, Node.js, Express and MongoDB, including REST APIs, a hotel reservation system and MVC applications.

TECHNICAL SKILLS

Frontend	React, Next.js, TypeScript, JavaScript, HTML/CSS
Backend	Node.js, Express, Python, FastAPI, REST API design, MVC
Databases	PostgreSQL, MongoDB, SQLite
AI & Media	LLM pipelines, prompt engineering, FFmpeg, text-to-speech
Tools	Git & GitHub, Docker, Linux, Stripe integration
Also	Java

COURSES & CERTIFICATES

- Full Stack Web Development — ongoing
- Backend Development with Node.js
- Web Design (Projektowanie Witryn Internetowych) — Feb 2024

LANGUAGES

- Turkish — C1
- English — B2
- Polish — B2