Maksym Mykolenko

Computer Science Student | Software Development & IT
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PROFESSIONAL SUMMARY

Computer Science student at Vistula University with hands-on experience developing web, desktop and AI-powered applications through independent projects. Experience spans frontend and backend development, databases, deployment, API integration, process automation, testing and technical documentation.

EDUCATION

Bachelor's studies in Computer Science (in progress) **2024 - Present**
Vistula University (Akademia Finansów i Biznesu Vistula), Warsaw, Poland

TECHNICAL SKILLS

Programming: JavaScript, TypeScript, Python, PHP, SQL; C# (Unity)
Web & APIs: React, Next.js, Vite, Node.js, Fastify, Express, FastAPI, REST APIs
Data & infrastructure: PostgreSQL, MySQL, Prisma ORM, Redis, Docker, Linux/VPS, Nginx
AI & automation: AI APIs, retrieval-augmented generation (RAG) fundamentals, ChromaDB
Development practices: Git/GitHub, functional testing, debugging, technical documentation
Office & data handling: Microsoft 365; Excel/Google Sheets: basic formulas, sorting, filtering

PROJECT EXPERIENCE

Independent Software Developer | Personal projects **2024 - Present**

- Plan, build, test, document and deploy applications; turn requirements into tasks and maintain projects using Git/GitHub and Linux servers.
- Investigate issues through log analysis, validate fixes and improve features through iterative development.

VibePlay | Browser Game Publishing Platform

- Built a React/Vite frontend and Node.js/Fastify backend for uploading, hosting and publishing browser games, with authentication and a PostgreSQL/Prisma data model.
- Added Redis/BullMQ background jobs for upload processing and deployed the platform on a VPS using Docker.

NoirSound | Music Streaming Platform

- Designed a music upload and playback platform with user roles, an artist dashboard and FFmpeg audio processing; modelled PostgreSQL data and configured MinIO storage.

Fluxy Assistance | Desktop AI Assistant

- Built a Python/FastAPI service connecting external AI providers and local models to an Electron/Next.js desktop application, with streamed responses and tool workflows.
- Implemented document retrieval with ChromaDB to supply relevant context to the assistant, alongside file operations and API integrations.

Flux ID & Flux MarketPlace | Identity and Transaction Services

- Built login/session flows, two-factor authentication, access control and audit logging using PHP and MySQL; developed Node.js/Express APIs for order validation and automated fulfilment.

Additional projects: Flux Leads (data validation and AI lead scoring); Drunken Elixir (Unity/C# save system, settings and scene transitions)

LANGUAGES

Ukrainian: Native | Polish: Conversational | English: B1+/B2, including technical English