Ing. Ákos Kappel

✉ kappelakos@gmail.com   📞 +421 918 727 886   ⚱ 04. 11. 1999

📍 Bajč 155, 946 54, Slovakia   in linkedin.com/ákos-kappel

🌐 akoskappel.dev   ◉ github.com/AkosKappel   🦊 gitlab.com/AkosKappel

About Me

I am a software engineer specializing in web application development and backend systems, including database work. I have practical experience with various technologies and am open to learning new things. I enjoy working on interesting projects, both independently and as part of a team. I am seeking an opportunity where I can apply my skills while continuing to improve in software development.

Technical Skills

- **Programming Languages:** Python, TypeScript, PHP, Java, Kotlin, C#
- **Development Tools:** Git, Linux, Docker, VS Code, Jira, Gitlab
- **Web Technologies:** HTML, CSS, Tailwind, Bootstrap
- **Frameworks:** Laravel, Node.js, FastAPI, Django, React, Next.js, Vue, Nuxt
- **Databases:** PostgreSQL, MongoDB, Redis
- **AI Libraries:** PyTorch, TensorFlow

Work Experience

Full Stack Developer, Švarba s.r.o.   June 2024 - January 2025

- API development for frontend
- Collaboration on React application
- Creation of new functionalities and website maintenance
- Writing unit tests
- *Technologies used:* TypeScript, Node.js, Express.js, React, PHP, Nette, MSSql

Junior Python Developer, SoftPoint s.r.o.   October 2023 - May 2024

- Development of ETL processes - extraction, transformation, and loading of data into database
- Web scraping
- Automation of ordering processes
- *Technologies used:* Python, Ruby, PostgreSQL, Selenium, Airflow, FastAPI

Education

Intelligent Software Systems   September 2022 - June 2024
Slovak University of Technology, Faculty of Informatics and Information Technologies

- Master's degree
- *Thesis:* Semi-automatic segmentation methods based on neural networks for improving detection and monitoring of human eye diseases

Computer Science   September 2019 - June 2022
Slovak University of Technology, Faculty of Informatics and Information Technologies

- Bachelor's degree
- *Thesis:* Generator of analytical geometry problems in plane - Conic sections

Language Skills

- **Slovak** - Native language
- **English** - C1
- **German** - A2
- **Hungarian** - C1

Projects

Budget Master | *Source code: GitHub/BudgetMaster*   2024 - 2025
- Full-Stack application for personal finance management, with modern data visualizations for better overview of income and expenses
- *Technologies used:* Next.js, TypeScript, Tailwind, MongoDB, Axios, Redux, React Query, Zod, Recharts, Nginx

e-Shop | *Source code: GitHub/FakeShop*   2024
- Frontend application for e-commerce, displaying products from a public API and providing a user-friendly interface for browsing and filtering products
- *Technologies used:* React, TypeScript, Tailwind

WAC Ambulance | *uFE, WebAPI, GitOps*   2024
- Micro-frontend application created using Stencil.js and TypeScript
- Backend developed in Go with MongoDB database and OpenAPI specification
- Application deployed using Docker, Kubernetes, Github actions and Azure

Glaucoma Segmentation | *Source code: GitHub/GlaucomaSegmentation*   2022 - 2024
- Master's thesis in artificial intelligence field developed at FIIT STU
- Console application with neural network for segmentation of eye structure images
- *Technologies used:* Python, PyTorch, OpenCV, Numpy, Pandas, Albumentations, Scikit-learn, Matplotlib

Feast Finder | *Source code: GitHub/FeastFinder*   2023
- Frontend application for recipe search, enabling quick and easy filtering by ingredients, meals, and categories
- *Technologies used:* Nuxt, TypeScript, Tailwind, Axios

Game Iridescent | *Source code: GitLab/iridescent*   2022
- Cooperative computer game for two players with splitscreen mode, focused on team play and fun
- *Technologies used:* Unity Engine, C#