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About Me

I am a software engineer with experience in both frontend and backend development, as well as working with databases. I have practical experience with various technologies and am always 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

- Development of APIs for integration with the frontend
- Collaboration on the development of a React application
- Implementation of new functionalities and website maintenance
- Creation of 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
<ul style="list-style-type: none">• Full-Stack application for personal finance management, with modern data visualizations for better overview of income and expenses• <i>Technologies used:</i> Next.js, TypeScript, Tailwind, MongoDB, Axios, Redux, React Query, Zod, Recharts, Nginx	
e-Shop GitHub/FakeShop	2024
<ul style="list-style-type: none">• Frontend application for e-commerce, displaying products from a public API and providing a user-friendly interface for browsing and filtering products• <i>Technologies used:</i> React, TypeScript, Tailwind	
WAC uFE , WebAPI , GitOps	2024
<ul style="list-style-type: none">• 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 GitHub/GlaucomaSegmentation	2022 - 2024
<ul style="list-style-type: none">• Master's thesis in artificial intelligence field developed at FIIT STU• Console application with neural network for segmentation of eye structure images• <i>Technologies used:</i> Python, PyTorch, OpenCV, Numpy, Pandas, Albumentations, Scikit-learn, Matplotlib	
Feast Finder GitHub/FeastFinder	2023
<ul style="list-style-type: none">• Frontend application for recipe search, enabling quick and easy filtering by ingredients, meals, and categories• <i>Technologies used:</i> Nuxt, TypeScript, Tailwind, Axios	
Iridescent GitLab/iridescent	2022
<ul style="list-style-type: none">• Cooperative computer game for two players with splitscreen mode, focused on team play and fun• <i>Technologies used:</i> Unity Engine, C#	
SmartTech  GitHub/WTECH	2021
<ul style="list-style-type: none">• Full-stack web application with an intuitive interface for purchasing smartphones.• Includes an admin panel for product management through CRUD operations.• <i>Technologies used:</i> HTML, CSS, JavaScript, PHP, Laravel, Tailwind, PostgreSQL, Docker, Nginx.	