FULLSTACK DEVELOPER

SHAKIR SULTANOV

PORTFOLIO

For more information about me and my projects, you can visit -visions.shkrsltnv

CONTACT

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in LinkedIn

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PROFILE

I am a hard working and ambitious person with a positive mindset and a never ending desire to continuously learn and grow professionally. Along my academic and self-educational journey, I have had the opportunity to explore various areas of IT working on a variety of projects. I am passionate about further expanding my experience and skills to become a highly skilled and successful developer.

EXPERIENCE

BFH, Biel/Bienne
Intern Fullstack | 08.2024 - present

During my one-year internship, I had the opportunity to work on a diverse range of non-commercial projects, which greatly enhanced my skills.

- Full-stack development based on project needs.
- Implement RESTful APIs and database integrations with PostgreSQL
- Experience with Docker and containerized environments.
- Business logic implementation and feature development.
- GitLab repository management and CI/CD pipeline automation.
- Worked with AI-powered solutions, including LangChain for LLM-based applications.
- Active collaboration with stakeholders and product teams.

Freelance
Frontender| 11.2022 – 07.2023

Developed the front-end for small landing websites in a freelance-like role. Gained experience in creating user-friendly and responsive interfaces

- Responsible for design and frontend development

LLC "7th Kilometer"
Seller-loader| 02.2018 – 01.2021

- Responsible for loading
- Organize warehouse inventory efficiently
- Responsibly fulfill customer orders

REFERENCES

Kenneth Ritley
Prof. Dr. Kenneth Ritley, Dozent, BFH
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EDUCATION

09.2018 – 07.2022

Bachelor of Computer Engineering – Odesa Mechnikov National University, Odesa, Ukraine
- Programming fundamentals
- Computer Engineering fundamentals
- Data structures and algorithms
- Computer networks
- Operating systems
- Web and mobile development

04.2024 - 07.2024

Powercoders Bootcamp - ICT Work Integration Program, Bern, Switzerland
- Foundations in HTML, CSS, JavaScript
- Weekly business & social skills training (teamwork, communication, etc.)

SKILLS

Advanced

JavaScript/TypeScript, HTML, CSS

Intermediate

Vue.js, Angular, Python, FastAPI, PostgreSQL, Git, Docker

Beginner

Spring Boot, LangChain

Basic

Java, C#, Android Studio, Figma, Gitlab, CI/CD

COMPETITIONS

Winner team, SwissHacks, 2025 (Zürich)
- Developed an AI powered data intelligence platform for investors, startup founders for Innosuisse and StartUp-Ticker

Mountain Hackathon, 2024 (Schwyz)
- Developed a carpooling app for cantonal administration

PROJECTS

SAFI - Softwaregestützte Analyse und Förderung sozialer Integration in Schulklassen

DOMAIN / GOAL	A highly tailored app for school teachers and students to collect and visualize data on student-student and student-classroom interactions.
TEAM	PM and 2 core team members (PHBern), IT (advisor + myself), 6 teaching experts (Begleitgruppe).
ROLE	Fullstack Developer; translated business requirements into technical designs.
TECHNOLOGIES	Vue.js, D3, Python/FastAPI, PostgreSQL. Deployed with containers in GCP Cloud Run.
SPECIAL CHALLENGES	Designed for children under 10 years old; presents complex data visualizations in an understandable way for non-experts (teachers).
IMPACT & NEXT STEPS	Successfully deployed a prototype in 10 classrooms in Bern. A larger follow-up project is planned to expand the app.

Inventarisierung der Habitatbäume

FIELD	Forestry, Biodiversity & Digital Data Management
GOAL	Update the smartphone app and server system to simplify the identification, recording, and transmission of habitat tree data to cantonal servers, supporting biodiversity and forest management efforts.
ROLE	Help as a Fullstack Developer to update the app and server
TECHNOLOGIES	Angular (Frontend), Python/FastAPI (Backend), Leaflet, PostgreSQL

[BIP – Business Integration Platform for the Swiss Woodworking Industry](#)

DOMAIN / GOAL	A platform to share product information and eliminate digital gaps in the supply chain and workshop processes.
TEAM	Funded by InnoSuisse (CHF 500K). Over 20 academic and professional experts from BFH and seven Swiss software companies.
ROLE	Fullstack Developer; translated business requirements into technical designs.
TECHNOLOGIES	Vue.js, D3, XXX, Python/FastAPI, PostgreSQL. Deployed with containers in GCP Cloud Run.
SPECIAL CHALLENGES	Designed for SMB/KMU woodworkers. Due to large number of products/ attributes, data stored via JSON in a document-DB approach

[Green Kidney](#)

DOMAIN / GOAL	This app raises awareness about the environmental impact of daily choices in nephrology. Many habits are shaped by lifestyle and culture, often without considering their ecological effects.
TEAM	Medical professionals, environmental researchers, software developers.
ROLE	Fullstack Developer; translated business requirements into technical designs.
TECHNOLOGIES	Vue.js, D3, Python/FastAPI, PostgreSQL. Deployed with containers in GCP Cloud Run.
SPECIAL CHALLENGES	Designed for a live conference where real-time interaction is important. Needed the ability to manage questions, edit and activate for users when needed.

[AI for Museum of Communication Berne](#)

DOMAIN / GOAL	Develop AI-generated, personalized souvenirs to extend and enhance the visitor experience beyond the physical museum visit.
TEAM	Researchers, museum stakeholders, software developers and designer
ROLE	Fullstack Developer, contributor, research support
SPECIAL CHALLENGES	Ensuring that AI-generated questions are useful, fair, and comprehensible for diverse users. Balancing the trade-off between detailed information and accessibility.

DigiBot

GOAL	Develop a GenAI-powered system for personalized self-assessment tests. The system generates tailored questions based on user profiles, ensuring more relevant and useful evaluations.
ROLE	Fullstack Developer, LLM prompt engineer
TECHNOLOGIES	Vue.js (Frontend), Python (Backend), OpenAI GPT-4, PostgreSQL, TF-IDF, Embedding Models, Cosine Similarity, Streamlit, LangChain
SPECIAL CHALLENGES	Ensuring that AI-generated questions are useful, fair, and comprehensible for diverse users. Balancing the trade-off between detailed information and accessibility.