BACKEND DEVELOPER

DOMINIK DIERBERGER

05 February 2005
Currently pursuing a Bachelor's degree in Artificial Intelligence & Machine Learning at HSLU and actively seeking a 60% part-time position to apply and expand my development experience.

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EXPERIENCE

08/2024 – 10/2025

FUTURELOG
Junior Backend Developer (Frontend Support)

While continuing my academic studies, I worked part-time at FutureLog where I collaborated in a two-person team on a series of internal development projects. These included an AI-based translation tool that automatically localized input into all supported languages, and a Help Desk platform combining article-based support, employee live chat, and multiple AI-powered chatbots for customer service and developer documentation queries. I also developed a Jira plugin to visualize Mermaid.js diagrams directly within tickets. In addition to backend development using Python Flask and MSSQL, I supported frontend tasks through UI prototyping in Figma and helped deploy our containerized applications to Azure Cloud. While my main task remained on the Supplier WebApp, recoding and implementing new features, the ability to jump between multiple projects helped me stay productive when facing challenges and return to them with a clear mind.

08/2023 – 08/2024

FUTURELOG
Development Intern

During the final stage of my apprenticeship, I transitioned into a development-focused internship where my primary responsibility was the complete overhaul of our supplier-facing web application. This included creating documentation, proposing and structuring a new system infrastructure, and fully rebuilding the web application from the ground up. Alongside this core project, I also supported the design of smaller APIs for internal tools. Most of my work centered on backend and database development with Flask, MSSQL, and Docker. As part of a two-person development unit, I had the opportunity to manage project timelines and delivery from concept to release, gaining valuable experience in independent decision-making and agile collaboration.

**22.09.2022
–
09.10.2022**

FUTURELOG
Internship Development Paris

As part of a short-term internship at FutureLog's Paris office, I had the opportunity to work in an international environment and gain valuable intercultural experience. I supported backend development tasks and familiarized myself with CI/CD pipelines, laying an early foundation for modern deployment practices. In parallel, I helped relocate the office to a new building, assisting with hardware setup and technical infrastructure. This also included providing local IT support to ensure a smooth transition. Immersing myself in a different work culture helped strengthen my adaptability and communication skills in a multilingual setting.

01/2021 – 08/2023

FUTURELOG
It-Support and backend Developer
I began my journey at FutureLog supporting internal IT systems and resolving hardware and software issues across multiple office locations. Over time, I started contributing to backend development efforts by coding small-scale production features and assisting in technical improvements. This role laid the groundwork for my interest in development, and gave me early exposure to version control, testing, and technical documentation.

PROJECTS

- **Multilingual Translation Tool**: Built an AI-powered system to automatically translate and localize input content into all supported languages.

- **AI Help Desk Platform**: Developed a full-stack internal support system with articles, employee chat, and AI chatbots for customer service and developer documentation.

- **Jira Mermaid Plugin**: Created a Jira plugin that enables rendering of Mermaid.js diagrams within tickets for better developer collaboration.

- **Internal Overtime Tracker API**: Developed a lightweight REST API for tracking employee overtime and syncing with HR systems.

- **Supplier Webapp Redesign**: Led the redesign of a legacy supplier onboarding tool using Flask, improving usability.

EDUCATION

09/2024 – present	**HOCHSCHULE LUZERN**
	Bachelor in Artificial Intelligence and Machine learning (Data science)
08/2020 – 07/2024	**ALTE KANTONSSCHULE AARAU / BERUFSBILDUNGBADEN**
	Swiss Matura & Federal VET Diploma (EFZ) in Software Development

REFERENCES

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PROFILE

Motivated and adaptable junior backend developer with a primary focus on API architecture and database engineering. Skilled in developing scalable backend systems and integrating intelligent automation solutions. Comfortable taking early ownership of projects in small, agile teams. Currently pursuing a Bachelor's degree in Artificial Intelligence and Machine Learning with a strong aspiration to deepen expertise in data science and machine learning. Committed to developing high-quality, maintainable code through continuous learning, peer collaboration, and adoption of clean coding practices.

SKILLS

- **Backend Development**: Fluent in Python (Flask, FastAPI), experienced in building RESTful APIs and backend systems. Familiar with Java and C#.

- **Frontend Development**: Basic understanding of React and eager to deepen experience with modern JavaScript and TypeScript frameworks.

- **Databases**: Confident working with SQL, particularly MySQL and Microsoft SQL Server. Adaptable to other systems such as MongoDB or SQLite.

- **Tools & DevOps**: Docker, Azure Cloud hosting, Jira, Figma, Postman, Git, API design.

- **Languages**: German (native), English (C1 Cambridge Level)

- **Soft Skills**: Strong communication, fast learner, team-oriented, responsible, creative problem-solver, detail-focused, adaptive, proactive mindset.

HOBBIES

- Cooking
- Making Music with Friends (I'm a Drummer, Pianist and Guitarist)
- Poker and Strategic Card Games
- Building Custom PC's
- Developing Software and Video games