

Intern – Backend Engineer (m/f/d)



Full-time paid internship (5-6 months) | Munich

At **zebrafant.ai**, we are building the world's first sensor-less, fully integrated tour-planning system for bring-point waste collection. Our AI predicts container fill levels and enables dynamic, demand-based route planning – reducing costs, increasing efficiency, and making waste management more sustainable.

To further improve our product, we are looking for a **Backend Engineer Intern** to help build and scale our backend systems and APIs.

Your role

As a Backend Engineer Intern (m/f/d), you'll work closely with our founders and product team to improve the backend of our web application. You'll own backend features end-to-end – from understanding product requirements and designing clean system logic to implementation, testing, and iteration in real product scenarios.

Key responsibilities

- Build and improve backend services and APIs for our web application.
- Design and implement clean, maintainable backend logic using Python.
- Collaborate on API design, data flows, and system architecture.
- Work with databases and data models to support reliable product functionality.
- Contribute to performance, scalability, and clean code standards.
- Collaborate with frontend engineers to ensure a smooth end-to-end product experience.
- Test features, fix bugs, and iterate quickly based on feedback.
- Support deployment, monitoring, and backend reliability in production.

What we are looking for

- Enrolled in a Bachelor's or Master's program in Computer Science, Software Engineering, or similar.
- Experience with Python and backend development.
- Understanding of APIs, databases, and backend system design.
- Interest in product thinking, real-world workflows, and scalable software systems.
- Hands-on mentality, strong communication skills, and willingness to learn quickly.
- Comfortable working in a fast-moving, iterative environment.
- Familiarity with FastAPI, AWS, Google Cloud, testing, or data engineering is a plus.

What we offer

Direct collaboration with our founders, direct mentoring, real ownership of product features, and the chance to work on a live system used by real customers. The internship is compensated with **EUR 2,408 gross per month**. There is also the **possibility to get accommodation at [WERK1 Coliving in Munich](#)**. In addition, there is the opportunity to continue as a working student or full-time team member.

Apply by filling out our [application form](#).

Best,
Peter & Philipp