

Senior Backend Engineer

About the Company

FLAE Robotics is a pioneer in AI technologies for hospitality. We are creating the first AI receptionist and reservation agent for hotels and transforming the future of the hospitality industry. Our product is not a simple chatbot or voicebot, we are actually implementing very complex business processes that require orchestration of communication platforms, AI agentic system, and integrations with hotel system. We are a startup, and there is a lot of room to change the course of the product, change the way we do things, and what the product looks like both on the surface and underneath.

About the Role

Do you enjoy building complex and unique things in Python, working with databases, cloud, integrations, AI agents, LLMs, RAG, and modern frontends? Are you curious about AI and want to be part of a small team creating something brand new in the hospitality industry?

We're looking for a **Back-end Engineer** who's comfortable with Python and SQL and DevOps technologies who values good engineering practices like automated testing, CI/CD, and observability.

What You'll Do

- Build and improve backend services in Python (FastAPI preferred, but any framework experience is fine)
- Work with relational databases like PostgreSQL (schema design, queries, performance)
- Heavily contribute to the AI functionality of the system – we are not just adding AI for the sake of adding AI, we 100% rely on LLMs to help us translate non-structured communication streams into structured data and back
 - LangChain, LangGraph, Eleven Labs, Azure OpenAI, Anthropic
- Develop interfaces (HTTP, queues) for frontend and integrations
- Collaborate with frontend developers to make data flow smooth and reliable
- Use tools like Git, CI/CD, and observability practices to keep things stable and maintainable - we have many clients, many environments, and super-high reliability bar

What You Must Know Day One

- Solid knowledge of Python and web technologies
- Solid knowledge of foundations – HTTP, DBs, async programming, OOP, ...
- Comfortable with SQL (PostgreSQL experience is a plus)
- Familiar with Git and Linux basics
- Care about writing clean, tested, and maintainable code
- Some experience with Docker (Kubernetes or cloud experience is a bonus, not a must) or Cloud
- Fluent English & Czech

What We Offer

- Stable monthly compensation + equity through our ESOP program (you'll directly share in our growth)
- The chance to shape a completely new product in AI for hospitality
- Flexible working hours and hybrid setup
- Small, ambitious team with a lot of freedom and ownership
- Access to cutting-edge AI tools and technologies
- Continuous learning in Applied AI and actual production usage of AI
- Czech-founded startup with global ambitions and a clear mission

If you want to transition from conventional software development into building meaningful AI products, this is a place where that transition is not only possible, but expected.

Contact: katerina.peskova@flaerobotics.ai