

# Naz Çolak

Berlin, Germany

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**Full Stack Engineer** with experience of building end-to-end scalable web and mobile applications, combining backend engineering principles with a passion for crafting user-friendly frontend and mobile user experiences.

## Experience

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07/2025 - Present

### Lead Backend Engineer at Diva | Startup

Göttingen, Germany

- **AI Platform Architecture:** Developed an open-source, AI-powered chatbot platform (DIVA) using React and Python, leveraging HPC infrastructure (GWDG, KISSKI) to provide specialized assistance for labor representatives.
- **RAG & Knowledge Integration:** Engineered a RAG-based retrieval system integrating curated legal and union datasets (BetrVG, Bund-Verlag) to ensure accurate, verifiable, and source-backed responses for complex legal inquiries.
- **Multi-Model Orchestration:** Architected a specialized backend serving several distinct LLM configurations (e.g., GPT-OSS-120B, Qwen3.6-35B) optimized for different tasks.

01/2025 - 12/2025

### Co-Founder at Was2Eat | Startup

Göttingen, Germany

- **AI-Powered Backend Engineering:** Architected and developed the scalable backend for real-time food intelligence, implementing data pipelines to analyze complex ingredient, allergen, and nutritional datasets.
- **Mobile & Chatbot Development:** Led the full-stack development of the Was2Eat mobile application, integrating a smart AI chatbot that provides personalized, real-time guidance on dietary needs and nutritional profiles.

10/2023 - 09/2024

### OutSystems & Web Developer at ExxonMobil

Budapest, Hungary

- **Product Lifecycle Leadership:** Led the end-to-end development of internal applications using the OutSystems platform, strategically planning and prioritizing releases to align with key organizational goals and evolving business needs.
- **Full-Stack Development:** Built and enhanced robust web applications using HTML, CSS, and JavaScript, while integrating emerging business requirements to optimize overall product functionality.
- **User-Centric Improvement:** Actively engaged with end-users to gather actionable feedback, driving continuous product enhancements and performance optimizations based on direct user insights.

06/2022 - 10/2023

### Enterprise Content Management Analyst at ExxonMobil

Budapest, Hungary

- **Server Infrastructure & Automation:** Managed complex server environments to ensure peak performance, while engineering a custom automation tool that improved monitoring efficiency.
- **Enterprise Data Management:** Oversaw the management of large-scale data repositories, deepening expertise in server-side operations and system functionality.
- **ServiceNow Development & Support:** Served as a ServiceNow Developer, utilizing the platform's ticketing system to manage daily operations and streamline incident resolution processes.

### Education

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10/2024 - Present

#### University of Göttingen

Applied Computer Science, Master of Science

09/2020 - 07/2024

#### Eötvös Loránd University

Computer Science, Bachelor of Science

### Projects and Certifications

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10/2024

#### PixelRatings

A native mobile application for game reviews and ratings. Implemented user authentication and data management using Firebase, enabling users to search, review, and rate games (1-5 scale) with real-time dynamic average rating calculations.

06/2024

#### Microsoft Azure AI Fundamentals Certification

### Key Skills

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- **Generative AI & LLMs:** RAG, Agentic Orchestration, Multi-Model Orchestration, Prompt Engineering, Vector Databases, LLM Integration, Chatbot Architectures.
- **Backend & Software Engineering:** Python, FastAPI, API Design & Development, Java, Microservices Architecture, Event-Driven Systems, System Automation, Low-Code Development (OutSystems).
- **Frontend & Mobile:** React, JavaScript, HTML/CSS, Native Mobile Development.
- **Cloud & Infrastructure:** Kubernetes, Docker, HPC Infrastructure (GWDG/KISSKI), CI/CD, Azure Cloud, Server & Database Management.
- **Methodology & Tools:** ServiceNow, Agile/Scrum, Product Lifecycle Management, Git.