

## HATICE ADIGUZEL - Backend Developer – Solution Engineer

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Solution Engineer with 2+ years of hands-on experience building and integrating scalable backend systems and technical solutions. Experienced in microservice architectures, distributed systems, and REST API integrations. Designed RabbitMQ-based task processing systems, multi-database architectures, and production-ready backend services in startup environments. Worked closely on third-party integrations, AI-powered solutions, deployment processes, and operational support. Skilled at translating business needs into technical solutions and collaborating across product, engineering, and customer-facing teams.

### EDUCATION

**GAZIANTEP UNIVERSITY**, Gaziantep, Turkey **Sep 2018 – Jan 2024**  
*Electrical and Electronics Engineering*

- Gazi Space and Technology Community Software Team Member
- Assistant in the Department's Course Laboratories.

### EXPERIENCE

**OctoXLabs**, Istanbul, Turkey **May 2026 – Present**  
*Solution Engineer*

- Working on technical solution delivery, integrations, and customer-oriented engineering processes

**S4E**, Ankara, Turkey **May 2024 – May 2026**  
*Software Developer*

- Developed and maintained 20+ Python microservices (Flask, Flask-RESTX) for a cybersecurity platform; designed REST APIs with JWT authentication, validation and documentation
- Built distributed task processing architecture using RabbitMQ, including orchestration and scheduling for high-volume security scans
- Worked with PostgreSQL, MongoDB and Redis in a multi-database architecture; containerized services using Docker
- Implemented observability and reliability features (logging, monitoring, error tracking) using Prometheus, Sentry and Elasticsearch
- Integrated AI capabilities (Ollama, OpenAI) and external services including Domain Connect, Twilio, AWS SES/S3, Jira and threat-intelligence providers (Brandeffence, Prousec, IntelX)
- Developed internal CLI tools and features supporting both on-premise and cloud deployments
- Released the product on Azure Marketplace and WordPress Plugin ecosystem; led AWS Marketplace preparation and deployment

### INTERNSHIP EXPERIENCE

**INFORMATION TECHNOLOGIES AND COMMUNICATIONS INSTITUTION - BTK**, Ankara, Turkey **Oct 2023 – Jan 2024**  
*Software Development Intern*

- During the internship, various projects were worked on, utilizing technologies such as Python, React, PostgreSQL, JavaScript, HTML, CSS, Virtual machine, Java, Spring Boot, Linux, Docker and Docker-compose.

**Feb 2023 – Jun 2023**

**BAYKAR TECHNOLOGY**, Istanbul, Turkey  
*Network Management and Network Based Software Intern*

- The development of network-based desktop applications was done using the Python programming language. Projects were run with Docker and Docker-compose.

**Jun 2022 – Jul 2022**

**BAYKAR TECHNOLOGY**, Istanbul, Turkey  
*Network Management and Network Based Software Intern*

- In topologies created using GNS3, various VPN technologies such as IPsec, OpenVPN, and Wireguard were applied. Additionally, pfSense firewall was utilized to enhance network security.

## **SKILLS AND INTERESTS**

- **Backend:** Python, Flask, FastAPI, Django REST, Java, Spring Boot
- **Distributed Systems:** RabbitMQ, Celery
- **Databases:** PostgreSQL, MongoDB, Redis, MySQL
- **DevOps:** Docker, Docker Compose, Gunicorn, AWS
- **Operating Systems:** Linux, macOS
- **Observability & Testing:** pytest, Sentry, Prometheus, Elasticsearch
- **Languages:** English (B2), Turkish (Native)

## **INTERNATIONAL EXPERIENCE**

- Work and Travel - Language and communication skills were improved by gaining cultural experience for 3 months in Michigan, USA.

## **INTERESTS**

- Violin, Puzzle, Digital Art, Traveling