

Berk Karadalan

Backend & DevOps Engineer

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Profile

Backend & DevOps Engineer with 4 years of experience building scalable services in Go and Python. Built LLM-powered tools, optimized CI/CD pipelines, and managed CDN infrastructures.

Education

Computer Education and Instructional Technology,
Marmara University

2019 – 2024 | Istanbul, Turkey

Work Experience

Backend Developer, Pavo Group

11/2023 – 01/2026 | Istanbul, Turkey

- Developed backend microservices in Python (FastAPI) and Go (Gin) for internal teams
- Built LLM-powered automation tools with Ollama for research teams, enabling automated web monitoring, content summarization, and intelligent Slack notifications for relevant findings
- Created containerized deployment configurations (Dockerfiles, Docker Compose, Kubernetes) with Nginx configs, cron jobs, and CI/CD test suites for each service
- Collaborated with cross-functional security research teams, integrating components into forensics product
- Developed automated forensic parsers for multi-platform analysis (iOS, Android, Windows, macOS, Linux), generating customer reports
- Designed GitLab CI/CD quality gates including automated linting (Ruff, golangci-lint), build verification, test coverage enforcement for new endpoints, and AI-assisted code review

DevOps Engineer / System Administrator, MediaNova CDN

03/2022 – 11/2023 | Istanbul, Turkey

- Monitored CDN infrastructure using PRTG, Elasticsearch, Kibana, and Orion OTT, ensuring stability and responding to incidents
- Configured and managed Nginx for traffic management, server configurations, and module installations
- Deployed and configured CDN edge servers to optimize content delivery
- Set up and maintained Wowza and FFmpeg-based containers for live streaming operations
- Managed server installations and configurations using Ansible automation
- Handled on-call shifts with sole responsibility for system operations

Technical Skills

- **Languages:** Go, Python, Node.js
- **Frameworks:** FastAPI, Flask, Gin, Express, Better-Auth
- **Databases:** PostgreSQL, MySQL, MongoDB, Redis, DynamoDB
- **DevOps:** Docker, Kubernetes, Nginx, RabbitMQ, Linux
- **Cloud (AWS):** EC2, Lambda, S3, DynamoDB
- **Cloud (GCP):** Compute Engine, Cloud Run
- **Monitoring:** Elasticsearch, PRTG, Kibana
- **AI/LLM:** LangChain, LangGraph, Deep Agents SDK, Ollama, OpenRouter, Hugging Face

Projects / Personal Projects

DozyWizard [🔗](#), *Multi Provider Ai Chat Platform*

Built and launched DozyWizard, a multi-provider AI chat platform built on Next.js. Integrates OpenRouter, xAI, MiniMax, DeepSeek, Mistral, and Google Gemini under a single prepaid wallet system — letting users access top AI models at a fraction of subscription costs.

Alertflow [🔗](#), *Visual Runbook Automation for Incident Responses*

A Go-based incident response platform that enables DevOps teams to create visual runbooks for automated alert handling. Features include SSH-based server management, real-time alert monitoring, PostgreSQL-backed workflow persistence, and a React dashboard for runbook orchestration. Designed to reduce MTTR by automating repetitive remediation tasks.

CoreGo [🔗](#), *REST API Library for Go*

An open-source Go library that provides ready-to-use REST API components including JWT authentication, middleware patterns, and structured routing. Built with clean architecture principles, featuring modular design for easy integration into existing Go projects.

AwsGo-Storage [🔗](#), *Personal Storage Platform*

A cloud-based image storage service built with Go and AWS (DynamoDB, S3, Lambda/EC2)

Languages

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| • Turkish (Native) | • English (Professional) | • Hungarian (Beginner) |
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References

Mehmet Can Farsak, *Project Manager*, Pavo Group

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Jihat Mazlum Olcay, *Network Project Specialist*, Eczacıbaşı Bilişim

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