

MELİH KARAGÖZ

COMPUTER ENGINEER

CONTACT

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PROFILE

Passionate about building and automating systems, from embedded hardware to cloud infrastructure. Currently working at Skyloop Cloud & AI as an AI Engineer, designing, deploying, and operating production-grade LLM-based systems on both cloud and on-premise environments.

Experienced in managing the full lifecycle of Linux-based production systems, setting up virtualised on-premise infrastructure, and running DevOps pipelines end to end. Brings together a background in IoT, networking, and backend development with practical cloud experience on AWS and self-hosted stacks.

SKILLS

- IoT & Embedded Systems
- Full-Stack Development
- Cloud & DevOps
- AI Engineering
- Networking
- Python
- Bash



EDUCATION

Computer Engineering Faculty of Engineering Gedik University	2021 - 2026
Computer Programming MYO Kocaeli University	2019 - 2021
Electrical & Electronics High School TCMB MTAL	2014 - 2018

LANGUAGES

- English (Fluent)
- Turkish (Native)



CERTIFICATES

Amazon Web Services (AWS) Developer Associate	2026 - 2029
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WORK EXPERIENCE

Skyloop Cloud & AI

2025

Cloud Engineering & AI Engineering

- Working as a Cloud & AI Engineer, leading the deployment and delivery of ZZeti, an on-premise AI platform that lets enterprises run local LLMs, build and manage agents, define workflows, configure guardrails and budgets, and connect third-party tools via custom MCP servers, all without data leaving their own infrastructure. Handles the full delivery cycle including on-site installation, customer integration, agent system prompt writing, custom MCP development, and ongoing post-sale technical support.
- On the cloud side, designs and operates production-grade infrastructure for customers hosted on AWS, working hands-on with services like Step Functions, Lambda, API Gateway, S3 and RDS to build reliable, event-driven architectures. Translates business requirements into automated, cost-efficient cloud solutions and makes sure workloads stay production-ready, observable, and maintainable over time.

Sancaktepe Municipality

2023 - 2025

Full-Stack Development & DevOps

- Served as a Backend & DevOps engineer, architecting and launching services including live streaming, IoT-based turnstile access control, and an SMS proxy on Dockerised Django/FastAPI stacks with PostgreSQL and Linux. Delivered real-time operations with sub-300ms latency via WebSocket viewer tracking and encrypted socket validation. Designed and built a card-based access system for the municipality's sports centers, including remote-controlled gates and schedule-based appointment features. Deployed self-hosted RustDesk (Remote Desktop), GitLab and XIBO (Digital Signage), cutting remote-support and digital-signage costs by roughly TRY 1M per year.
- Set up on-premise virtualisation infrastructure by installing VMware ESXi on bare-metal servers and deploying vSphere for centralised VM management. Installed FortiGate on a dedicated ESXi guest, configured it as the default gateway for all servers, and enforced network-wide traffic inspection and access control. Handled the full lifecycle of dozens of Linux servers (Ubuntu, Debian) from initial setup and app deployment through to ongoing maintenance and production upkeep, along with a smaller number of Windows servers. Migrated the software team's repositories from GitHub to a self-hosted GitLab instance, set up GitLab Runner, and built CI/CD pipelines, taking ownership of the final review and release process for all production deployments.

ForTech Bilisim

2022 - 2023

IT Specialist & Help Desk

- Worked in a shift-based Help Desk L1 role, handling remote calls and tickets from Gratis retail stores while meeting strict SLA targets. Diagnosed and resolved issues with NCR POS terminals, handheld scanners, printers, PCs, network links and audio systems; escalated non-resolvable cases to the appropriate technical teams. Maintained high service continuity and customer satisfaction across dozens of branches.