

MUSTAFA ARINMIŞ

Backend Software Engineer

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📍 Antalya, Türkiye

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PROFILE

Backend-focused **Software Engineer** building **scalable APIs** and **event-driven microservices** in **.NET**. Experienced with cloud-native **AWS** deployments using **Docker**, **Kubernetes**, and **CI/CD**. Focused on reliability and shipping production-grade systems.

EXPERIENCE

Backend Software Engineer **SAN TSG** Dec 2024 – Present 📅 Dec 2024 – Present | 📍 Antalya, Türkiye

- Designed, built, and deployed **5 production microservices** end-to-end (API, schema, tests, observability, infra) in a 30-service tourism platform (booking, hotel, payment, accounting, operation) — **.NET 10**, **CQRS** (MediatR), **FluentValidation**; integrated via **Dapr** sidecars (**RabbitMQ** pub/sub) with polyglot persistence (**EF Core** + **PostgreSQL**, **MongoDB**, **Redis**).
- Shipped **docs-ai.santsg.com** (RAG over API docs) and an **MCP AI Agent** server in **Python/Flask** to **AWS ECR**; built an automated **Bitbucket/JIRA** metrics service. Mentored 2 interns and hired a CS student to a part-time engineer role.
- Deployed to **AWS EKS** via GitOps (**Bitbucket** → **CodeBuild** → **ECR** → **Kustomize** → **ArgoCD**); **OpenTelemetry** + **Grafana/Loki/Tempo**, behind **Kong Gateway**.

Backend Software Engineer (Contract) **Mavi ArGe** Oct 2024 – Dec 2024 📅 Oct 2024 – Dec 2024 | 📍 Antalya, Türkiye

- Developed **.NET REST APIs** for an EV charging station Fleet Management **IoT** system (**TÜBİTAK** project), including a rule-based engine for battery telemetry and monitoring dashboards.

Full Stack Software Developer **P.I. Works** Jun 2023 – Sep 2024 📅 Jun 2023 – Sep 2024 | 📍 Remote, Istanbul, Türkiye

- Developed new features for an **Angular-.NET** enterprise telco platform. Refactored core billing modules, improving API response times.

Frontend Developer **Linarit** Feb 2022 – Sep 2022 📅 Feb 2022 – Sep 2022 | 📍 Antalya, Türkiye

- Built **React UI** with real-time **gRPC** visualization for the **Linarit PQM Industrial IoT** platform (5 microservices, IoT edge devices).

SKILLS

Languages	Python, C#, JavaScript/TypeScript
Frameworks	.NET, Flask, Angular, React, Node.js
AI / LLM	LangChain, LangGraph, llama-cpp, ChromaDB, FastAPI
Cloud & DevOps	AWS (ECR, EKS, ECS, Lambda, S3), Docker, Kubernetes, Helm, CI/CD
Data	RabbitMQ, Redis, PostgreSQL, MongoDB
Architecture	REST APIs, Event-Driven Microservices, Dapr, gRPC, CQRS, Clean Architecture, Multi-Tenant
Tools	Git, Linux, Vim, Tmux, Claude Code, VS Code

PROJECTS

Nand2Tetris — github.com/arinmis/nand2tetris

HDL, Python, Assembly — A full computer system implementation from boolean gates to a high-level language.

Tiro — tiro.legal

Python, FastAPI, Electron, React, SQLite, ChromaDB, llama-cpp — Desktop app for lawyers to manage case files with built-in local LLM (RAG) for document analysis. Cross-platform executable. Built with a part-time collaborator.

o-pt-pt — o-pt-pt.com

Next.js, React, Tamagui, Prisma, PostgreSQL — Multi-tenant SaaS for personal trainers to manage customers, workout plans, exercises, and progress tracking. Cross-platform UI (web + native) via Tamagui.

EDUCATION

B.Sc. Computer Engineering, Akdeniz University, Antalya

2019 – 2024