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Education

Mechanical Engineering (MSc)

Erciyes University

2023 - present · Thesis stage · GPA 3.56/4

Full Stack Development Edu.

Workintech

2023 - 2024

Mechanical Engineering (BSc)

Erciyes University

2014 - 2022

Certificates

AI Fluency: Framework & Foundations

Anthropic

2026

Claude Code in Action, Claude Code 101, Claude Platform 101, Claude 101, Claude Cowork

Anthropic

2026

Software Technology & School

Coderspace

2025

Java, Next.js, PostgreSQL, Front-End Developer (Junior)

RemoteTech Work

2024

Mehmet Burak ALTIPARMAK

Software Developer

About Me

I started out as a mechanical engineer, but computers were always my main interest. So I left my job and began full stack development training and my master's at the same time. The engineering habits stayed with me: when I face a problem, I either find an analogy that makes it simple, or I dig until I find its root cause.

Today I lead the web and technical work at MindOfis, building membership platforms, marketplaces, consulting portals and a video-call platform, and managing the hosting and network setup behind them. I also ship my own products, like Peron, a desktop port manager on the Microsoft Store.

In my MSc thesis I use machine learning and genetic algorithms to optimize composite material design, and I want to keep building software where engineering and AI meet.

Experience

MindOfis (Tallinn, Estonia)

Full Stack Developer (Remote)

01.2026 - present

- Lead the company's web and technical work, from planning and building products to hosting, domains and network setup
- Citys Business ecosystem (Citys Business, Club, Talk): B2B membership platform with Stripe subscriptions, role-based portals via Supabase RLS and a QR-based partner discount network
- Integrated UniFi routers with the membership system: members who check in at an office with a QR code automatically receive a Wi-Fi access code
- Delivered Bridge Founding Solutions (company formation & consulting portal) and CompanyButtler (SME M&A marketplace with NDA-gated deal rooms)
- Building duy-beni.com: a video-call platform connecting Turkish people abroad with psychologists, with Stripe payments
- Delivered dozens of landing pages and company websites
- Stack: Next.js, TypeScript, Supabase, Stripe, Spring Boot, Vercel, Cloudflare

Episto LLC (Istanbul, Turkey)

Intern & Web Developer (Remote)

04.2026 - 07.2026

- Built responsive websites with WordPress, Elementor and Astra for client sites
- Ran SEO work: keyword tracking, content improvement, daily monitoring and indexing of pages in Google Search Console
- Built a network of supporting sites with keyword-targeted blog content for backlinks

Themedya Software & Media (Kayseri, Turkey)

Frontend Developer (Freelancer)

02.2025 - 04.2026

- Built company websites with Next.js, React and Tailwind CSS
- Implemented headless CMS (Contentful), internationalization (i18next) and mobile-first responsive design

Languages

Turkish (Native)

English (Advanced, C1)

German (Beginner)

Skills

AI & Engineering

- Python, Machine Learning, Genetic Algorithms, Multi-Objective Optimization, FEA, MATLAB, CAD

Backend

- Java, Spring Boot, Spring Security, JPA / Hibernate, JWT, OAuth2, Bucket4j

Frontend & Desktop

- TypeScript, JavaScript, React, Next.js, Tailwind CSS, Redux, shadcn/ui, WordPress, Tauri, Rust

Database & Storage

- PostgreSQL, Supabase, Redis, Elasticsearch, HikariCP

DevOps & Cloud

- Docker, Vercel, Cloudflare, Hetzner VPS, GCP, Railway, Fly.io, Prometheus, Grafana, UniFi

Performance

- N+1 Prevention, JOIN FETCH, Pessimistic Locking, Rate Limiting, SWR Caching

References

Prof. Dr. Munise Didem Demirbaş

MSc Thesis Supervisor

Erciyes University

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Projects

Desktop App

[Microsoft Store](#) [Source](#) [Website](#)

Peron – Port Manager for Developers

Tech Stack: Tauri 2 (Rust), React 19, TypeScript, Vite, Vitest

- Free desktop app, published on the Microsoft Store and packaged for Windows (MSIX, NSIS) and Linux (.deb, .rpm, AppImage)
- Shows which process holds each TCP/UDP port, who started it, its project folder, and its CPU, memory and disk usage
- Closes forgotten dev servers safely: confirmation before termination, protected system processes, PID-reuse safe
- Inspects remote servers over the user's own SSH connection, with a companion CLI (peron-cli)
- 30-day port history, tray notifications, TXT/CSV/JSON export; about 4–6 MB RAM in the background

Research • AI

MSc Thesis – Multi-Objective Optimization in Composite Material Design

Tech: Python, Machine Learning, Genetic Algorithms

- Hybrid approach: machine learning models predict the properties of composite materials, and a genetic algorithm searches for designs that balance competing goals such as strength, weight and cost
- Supervised by Prof. Dr. Munise Didem Demirbaş at Erciyes University; in the thesis stage

Full Stack

[Backend](#) [Frontend](#)

Pizza Project

Tech Stack: Java 17, Spring Boot 3.4, Spring Security, PostgreSQL, Redis, Elasticsearch, Docker, Iyzico · Frontend: Next.js 15, React 18, Redux Toolkit, Tailwind CSS

- REST API with JWT authentication and RBAC, Google OAuth2 and Bucket4j rate limiting
- 85% faster response times with Redis multi-level caching; N+1 queries resolved with JOIN FETCH and HikariCP
- Full-text search with Elasticsearch: fuzzy search, autocomplete and multi-field indexing
- End-to-end order management with Iyzico 3D Secure payments and admin/user workflows

Full Stack

[Portal](#) [Website](#)

Citys Business Club – B2B Platform (at MindOfis)

Tech Stack: Next.js 16, React 19, Tailwind CSS 4, Supabase Auth, Stripe, TypeScript, Vercel

- Stripe subscription checkout with webhook-driven membership activation, renewal and cancellation
- Config-driven admin panel with role-based access (admin / member / partner) via Supabase RLS
- QR-based B2B discount network (Vorteilsclub) and QR office check-in with automatic UniFi Wi-Fi access codes

Full Stack

[Portal](#) [Website](#)

Bridge Founding Solutions – Consulting Platform (at MindOfis)

Tech Stack: Next.js, React, TypeScript, Supabase (Postgres, RLS), Stripe, Tailwind CSS

- Client portal with a dynamic questionnaire catalog that guides onboarding from intake to expansion planning
- Automated contract generation with PDF/HTML export and Stripe installment billing
- Multi-tenant franchise/agency network with branded partner views and automated email workflows