

# EMRE CAN ÇORAPÇI

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## PROFESSIONAL EXPERIENCE

Nohut Akademi - *E-Learning Providers*

Feb 2025 – Current

### Back-End Developer - Full-Time

- Re-engineered web scraping infrastructure to extract unstructured data from third-party sources, reducing processing time by 80%.
- Built a comprehensive quiz and progress tracking system, optimizing data insertion with MongoDB to improve query performance.
- Improved system reliability by restructuring database queries, implementing Redis caching for frequently accessed data, and enforcing type-safe relational integrity constraints.

Kocbizz - *Coaching Platform* - [kocbizz.com](https://kocbizz.com)

Sep 2025 – Dec 2025

### Full-Stack Web Developer - Freelance (Part-Time)

- Designed and built a full-stack mentoring e-commerce platform from scratch, including modular backend architecture with auth, Redis-based caching, rate-limiting and PayTR payment integration.
- Implemented a performant front-end using React, Apollo Client, Zustand, Tailwind and code-splitting with manual chunks, enabling a clean separation of student, mentor and package flows.
- Deployed production infrastructure on Ubuntu with Nginx reverse proxy, PM2 process management, SSL certificates, and automated deployment pipeline.

Tetra A.Ş. - *Environmental Services*

Jul 2024– Sep 2024

### Full-Stack Web Developer - Project-Based

- Built fault-tolerant data synchronization system between two servers using cron jobs and webhooks to extract, reformat and transfer data at scheduled intervals.
- Implemented comprehensive testing with Supertest and Nock, and deployed to Ubuntu with PM2.

Turkcell - *Telecommunication and Tech Services*

Jun 2022 – Sep 2022

### Full-Stack Web Developer - Intern

- Developed full-stack apps with ASP.NET (MVC/Web API) and React, applying basic DDD practices.

## PROJECTS

Krustie - [crates.io/crates/krustie](https://crates.io/crates/krustie)

- Created a HTTP back-end framework for Rust with well-written documentation and tests which has been downloaded 15k+ times
- Implemented routing with query/parameter support, request/response middleware pipeline, and built-in middlewares for gzip compression, rate limiting, and static file serving.

Redis Typescript Clone - [github.com/emrecancorapci/codecrafters-redis-typescript](https://github.com/emrecancorapci/codecrafters-redis-typescript)

- Built Redis-compatible server implementing core commands (GET, SET, PING) and RESPv2 protocol parser.

## EDUCATION

Karadeniz Technical University, Trabzon, TR

Aug 2016 – Feb 2026

### Bachelor of Engineering, Major in Electrical and Electronics Engineering

- KTU Computer Engineering Club - "Introduction to Unity" Instructor
- IEEE KTU Student Branch - Python and Scratch Instructor for Student
- KTU Music Club - Board Member

## SKILLS

**Programming Languages:** TypeScript, Rust, C++, C#

**Frontend:** React, Next.js, Astro, TailwindCSS, Zustand, React Context, Tanstack Query, Apollo Client

**Backend:** Node.js (Express, Fastify), GraphQL, DrizzleOrm, Sequelize, PostgreSQL, MongoDB, Redis

**DevOps & Tools:** Docker, Git, PM2, Nginx, Vitest, Nock, Supertest, Ubuntu/Fedora/Arch Linux

**Languages:** Turkish (Native), English (Upper Intermediate), Japanese (Elementary), French (Elementary)

## CERTIFICATIONS

Advanced React - Meta (Coursera), C++ Essential Training - LinkedIn Learning, .NET Development - Turkcell

## HOBBIES & INTERESTS

Philosophy, Art, Design, Popular Science, Sci-Fi, Music Composing