



MEHMET AKIFHAN ILGAZ

Software Developer

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🌐 [Github](#)

[Website](#)

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As a Software Developer, I have built scalable web applications using Go, Java/Spring Boot, TypeScript, and Next.js/React. I have gained experience in databases, caching, authentication, and real-time features with MongoDB, PostgreSQL, Redis, Supabase, RabbitMQ, WebSocket, and Firebase. I have developed production-level solutions in JWT, session-based authentication, and modern API architectures. I also have experience in smart contract development in the Web3 space.

EXPERIENCE

March - June 2023

Mande Network

Freelance Fullstack Web3 Developer

- Architected and developed a decentralized platform backend enabling Web3 wallet authentication, content publishing, and a mutual token-staking listing system.
- Designed, developed, and deployed Solidity smart contracts on the Mande Network, handling staking logic and on-chain state management.
- Implemented on-chain read/write operations, wallet integration, and the end-to-end listing workflow.
- Integrated Pinata/IPFS for decentralized media storage and content delivery.
- Built supporting frontend interfaces with Next.js and React to interact with the smart contract layer.

July 2023 - January 2024

KEYDATA Information Technologies

Volunteered Intern

- Developed a mobile-focused application leveraging Firebase Authentication, Firestore, Firebase Storage, and Google Maps API.
- Integrated map-based location services, user authentication, and real-time data management using Ionic and React.
- Built a performant, mobile-responsive frontend.
- Developed a Revenue Module that digitalized the revenue management process for an airport.

PROJECTS

YKS Exam Analysis [Link](#)

- Developing a platform that allows students to analyze their performance and topic-level insights from practice exam results.
- Implemented authentication using Supabase, with JWT verification handled on the backend via public key validation.
- Built the frontend with Next.js and React following a feature-based architecture, using Zod and React Hook Form for form management and validation.
- Developed the backend in Go (Gin) following Clean Architecture principles, with MongoDB as the primary database.
- You can test the application using the credentials: test@gmail.com / 123456789

Oxford 5000 [Link](#)

- Developed an API and modern web interface providing programmatic access to the Oxford 5000 word list for English language learners.
- Built the dataset from scratch via web scraping, including word definitions, example sentences, and UK/US pronunciation audio.
- Developed the backend in Go with Gin, delivering features such as word search, CEFR level information, part-of-speech classification, user authentication, and API key management.
- Architected the service on MongoDB for fast query performance, implemented JWT-based secure authentication, and provided Swagger/OpenAPI documentation.
- Built the frontend with Next.js, TypeScript, and Tailwind CSS, including a user dashboard, interactive API documentation, and API key management screens.

Blockchain Transaction Watcher [Link](#)

- Developed a Go application that monitors specific wallet addresses and tracks on-chain transactions in real time.
- Detects buy/sell transactions on the Base and Fantom networks and sends instant notifications via Telegram.
- Notifications include token name, transaction type, and DexScreener links along with DEX trading links.
- Designed with configurable parameters for tracked addresses, network selection, and scan intervals.
- Implemented robust error handling, API management, and a flexible configuration system for Telegram bot integration.

Bridal AI [Link](#)

- Developed an AI application that generates personalized wedding dress designs based on user-selected attributes such as body type, fabric, model, and style preferences.
- Used EachLabs' image generation API for visual generation, and built a custom EachLabs Go client from scratch as the official Go SDK was outdated.
- Designed a generation pipeline that processes user selections, transforms them into optimized prompts, and dispatches them to the AI model.
- Built the frontend with Next.js and React, delivering a user-friendly selection flow and design preview screens.
- Developed a secure backend API layer to manage generation requests, including rate-limiting and error handling mechanisms.

Association Donation Website

- Developed a modern and secure online donation platform enabling users to contribute online.
- Integrated the Iyzico payment infrastructure to securely handle both one-time and recurring donation flows.
- Designed end-to-end processes for donation amount handling, receipt generation, user data collection, and post-payment redirection.
- Built the frontend with Next.js and React, delivering a mobile-responsive and user-friendly interface.
- Developed a robust backend API to handle payment callbacks, transaction verification, and donation record management.

Crypto and Exchange Price Platform [Link](#)

- Developed a full-stack application that allows users to view real-time prices of 10 different cryptocurrencies and currency exchange rates.
- Built the backend in Go (Fiber) with PostgreSQL, following a gRPC-based microservice architecture aligned with hexagonal architecture principles.
- Fetched cryptocurrency prices from 3 different exchanges via CCXT and currency exchange rates from the TCMB (Central Bank of Turkey).
- Used HashiCorp Vault for secret management.
- Containerized the application with Docker Compose, enabling single-command deployment.
- Built the frontend with Next.js and React, delivering a mobile-responsive and user-friendly interface.

SaaS Announcement App [Link](#)

- A SaaS announcement demo application where users can publish announcements.
- The purpose of the application is to implement different multi-tenant architectures used in SaaS applications.
- Built with Go, Fiber, PostgreSQL, and JWT, following hexagonal architecture principles.

TECHNICAL SKILLS

- Frontend: Next.js, React, Ionic, TypeScript, TailwindCSS, HeroUI, Zod, React Query
- Backend: Go, Java, Spring Boot, REST API, Clean Architecture
- Databases & Search: MongoDB, PostgreSQL, Redis, Firestore, Supabase, Elasticsearch
- Messaging: RabbitMQ
- Web3: Solidity, WalletConnect, Pinata/IPFS
- Other: Firebase Auth, HashiCorp Vault, Google Maps API, Docker, Git, Linux, Ngrok

EDUCATION

2019 - Dropped

Gazi University — Mechanical Engineering

2023 - 2026

Ankara University — Computer Programming

LANGUAGES

Turkish - Native

English - B2

CERTIFICATES

Web Development with Go - Jon Calhoun

The Complete Full-Stack Web Development Bootcamp - Angela Yu - Udemy

Java - Spring Courses - Udemy - Enes Bayram

React - The Complete Guide 2025 (incl. Next.js, Redux) - Maximilian Schwarzmüller - Udemy