Enes Ayduran | Software Developer

Ankara, Turkey | ayduranenes@gmail.com | linkedin.com/in/enesayduran | enesayduran.com | github.com/eayduran

ABOUT ME

Software developer working at the intersection of robotics, real-time systems, and AI. I like taking a system apart to understand how it actually behaves, then rebuilding it cleaner whether that's a video pipeline handling live camera feeds or a SaaS product going from idea to paying customers. Comfortable owning a problem end to end: architecture, implementation, and the messy infrastructure in between.

SKILLS

ReactJS	Typescript	Javascript	NextJS
MongoDB	Docker	WebRTC	NodeJS
Milvus	React Native	Git	HTML
Golang	Jest	Tailwind	Firebase
Selenium	Redux	LangChain	Web Services

EXPERIENCES

Software Developer — **Ankara, Turkey**

Ekin Smart City

06.2025 - Present

- Built the monitoring interface for a platform that tracks and manages a fleet of radar cameras in real time.
- Worked on the frontend migration from Angular to Next.js, modernizing the stack.
- Own backend services and APIs in NestJS that support live camera data and device management.
- Engineered a standalone video server from scratch in Go, handling WebRTC and HLS for low-latency live streaming alongside simultaneous recording.
- Worked a LangChain and Milvus-powered RAG pipeline for question-answering over internal system data.

Frontend Developer — **Ankara, Turkey**

Huawei

04.2023 - 05.2025

Worked on a PaaS product built around an open-source graph visualization library and its documentation site.

- Shipped features and bug fixes in TypeScript on a public npm library used by external developers.
- Wrote documentation and usage examples that reduced onboarding friction for new users of the library.
- Worked directly with customers to configure and tune the library for their specific use cases.

Full Stack Developer (Contract) — **Graz, Austria**

Greenhive Gmbh

10.2022 - 03.2023

Greenhive builds autonomous agricultural robots for vineyard pesticide spraying.

- Built the operator-facing UI in React and Tailwind for monitoring and controlling the robots.

- Implemented live robot-to-operator video communication over WebRTC — critical for remote supervision in the field.
- Designed the backend architecture and MongoDB schema from the ground up.
- Built backend services with Node.js and WebSockets to support real-time robot status and control.
- Containerized and deployed the full stack with Docker.

Full Stack Developer (Part-time) **Amsterdam, Netherlands**

Le Relief Enterprise

12.2021 - 05.2022

The startup connects investors and entrepreneurs through a mobile app.

- Built a real-time video chat feature in React Native used as the app's core matchmaking interaction.
- Implemented video and audio communication with WebRTC.
- Integrated OAuth 2.0 for authentication.
- Used Firebase Realtime Database and Cloud Functions for the backend.

Electronic Engineer **Istanbul, Turkey**

SK Robotik

06.2021 - 10.2021

- Hardware to make autonomous forklift from a manual forklift.
- Designing relay-switch schema for intercepting signals from the vehicle.
- Reverse engineering CAN BUS data for manipulation of vehicle control.
- Image processing(OpenCV); Object detection that uses YOLO for detecting where the loads(wood pallets) are.

EDUCATION

Electrical and Electronic Engineering, Bachelor's Degree (B.Sc)

Dokuz Eylül University
Graduation Date: 2022
Relevant coursework: Embedded Systems, Analog-Digital Electronics

LANGUAGES

Turkish
English

PROJECTS & COMPETITIONS

Sorender: AI-powered SaaS platform. Built solo end to end product, infrastructure, and payments. Astro, React, Supabase, fal.ai, Cloudflare, Mapbox/Leaflet, Polar.sh
Mapphaben: Chrome extension built on top of willhaben that adds map-based browsing for listings, making location-based search faster than the native site. Chrome Extension APIs, JavaScript
Cartesian Robot: Designed and built a Cartesian (XYZ-gantry) robot from scratch — mechanical design, motor control, and software to drive precise multi-axis movement. Embedded systems, motor control, PLC
Movement of Legged Robots Reinforcement Learning: Trained a legged robot to walk using reinforcement learning.
Autonomous Mini Car Project: Self-driving mini car using camera-based image processing for navigation.
3D Printer from Scratch

HOBBIES

Astrophotography
3D printing
Electric Guitar
Piano