

Ihsan Ergin

Senior Software Engineer

CONTACT

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Istanbul, TR

SKILLS

Languages

TypeScript	8/10	Python	6/10
C#	9/10	C++	8/10
JavaScript	8/10		

Frontend

React	8/10	Jotai	7/10
WPF	9/10	Redux	7/10
TanStack Query	7/10	Tailwind	7/10

Backend & Platforms

.NET	9/10	Express	7/10
Node.js	8/10		

Realtime & Media

WebRTC	8/10	VISCA	8/10
KSMedia	8/10	OpenCV	6/10
FFmpeg	7/10	Zoom	8/10
DirectShow	8/10	SDKs	

Data

PostgreSQL	8/10	Redis	5/10
MsSQL	8/10		

DevOps & Tooling

Docker	7/10	Azure	6/10
Ansible	5/10		

EDUCATION

İstanbul Teknik Üniversitesi

BSc Computer Science and Engineering
Sep 2014 – Jun 2020

LANGUAGES

Turkish	Native
English	C2

HOBBIES

Writing · Poetry · Songwriting ·
Playing Instruments · Model
Making

Senior software engineer with 9 years building real-time video and clinical software. WebRTC SDKs, telehealth platforms, regulated medical-device work (HIPAA / IEC 62304).

EXPERIENCE

Ceiba

Nov 2018 – Jun 2026

Istanbul, TR

Software Technology & Team Lead

Aug 2024 – Jun 2026

- Design and implement software solutions for remote patient tracking and patient care for ICU consultation services.
- Leadership over the team behind developing TeleHealth solutions and tech stack management.
- Custom in-house library for brand-agnostic PTZ-operable camera controls using DShow, KSMedia, and VISCA protocols with C++.
- Realtime raw audio/video streaming with WebRTC and Python.
- New tech-stack design for real-time audio transcription during patient care to feed AI-generated care notes.
- Realtime raw audio capture using RTMS, Zoom Bot development, Node.js backend with custom-built TCP protocols and web sockets.
- Design and integration of in-house built Agentic AI tool used for patient care consultation services.

Senior Software Engineer

Aug 2022 – Aug 2024

- Design and implement software solutions for remote patient tracking and patient care for ICU consultation services.
- Worked on TeleHealth platform using WPF & WCF as framework and Zoom App SDKs as meeting backend.
- Windows Service development for native Windows application maintenance.
- Implemented end-to-end CI/CD pipelines for on-premise automatic updates within hospitals using TeamCity.
- Realtime audio/video streaming for 24/7 live patient tracking using WebRTC protocol while staying compatible with HIPAA standards.
- Hardware solutions for advanced PTZ-operable medical video cameras using C++.

Software Engineer

Nov 2018 – Aug 2022

- Design and implement software solutions for remote patient tracking and patient care for ICU services.
- Backend development using latest .NET technologies with a code-first approach.
- DB management using PostgreSQL.
- Frontend development using latest React.js technologies.

Caretta

Jul 2017 – Oct 2018

Istanbul, TR

Junior Software Developer

Sep 2017 – Oct 2018

- Creative business solutions using .NET Framework and Razor.
- DB-first backend engineering experience.
- Worked on Windows Services, 3D payment APIs, and user interfaces.
- Worked on LDAP integration.

Software Intern

Jul 2017 – Sep 2017

- Simple web application development using C#, ADO.NET with MVC pattern.
- Simple CRUD API implementation and database engineering with MsSQL.