

Esra Koyunoglu

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Objective

I'm a Software Engineer driven by impact. As a reliable part of high-performance teams, I design scalable, resilient systems with clean, future-proof code — not just to ship features, but to build long-term value.

Education

Hacettepe University, BSc in Computer Science Aug 2017 – June 2021
Ankara, Türkiye

Experience

Senior Software Engineer, SESTEK – Ankara, Türkiye Nov 2023 – Present

- Promoted to Senior Software Developer in Jun 2025 based on performance, while continuing to core development efforts.
- Designed and implemented new real-time and offline integration modules from scratch.
- Migrated internal communication between services (Interpreter, Dumper, Raw Call Provider) from HTTP to WebSocket, improving performance and real-time reliability.
- Developed asynchronous and fault-tolerant pipelines using RabbitMQ.
- **Technologies used:** .Net6, .Net8, Abp, RabbitMQ, MinIO, AWS, Redis, Kibana, Jenkins

Software Engineer, Datateam Software Technologies – Ankara, Türkiye June 2021 – Oct 2023

- Developed data processing and visualization tools for law enforcement and financial crime tracking platforms.
- By refactoring an old module with complex logic on my own initiative, I reduce the complexity of the code and improve maintainability. Introduced multi-language support across the entire application from scratch.
- Redesigned the projects all interface for a cleaner and more modern user experience.
- **Technologies used:** VueJS, VivaGraph, D3, .Net, PostgreSQL, Oracle, MsSQL, Git, npm

Part-Time Software Engineer, Datateam Software Technologies – Ankara, Türkiye Oct 2020 - Mar 2021

- Contributed to the development of ThothBI, a business intelligence platform used by banks.
- Resolved issues of the product sold to banks and enhanced its performance by adding new features
- **Technologies used:** AngularJS, ReactJS, Node.js, D3.js, Npm, SourceTree, Scrum

Projects

My Website | Github

- I created a prompt-based React project using Cursor AI supported by the Large Language Model (LLM). I Dockerized it and hosted it on AWS.

Bookland – Online Bookstore App | Java, Flutter

- Developed a cross-platform bookstore application enabling users to search, browse, and order books.

Skin Cancer System | Python

- Built an image classification system to detect skin cancer with 88% accuracy using a convolutional neural network (CNN) on labeled medical image data.

Technologies

Backend Messaging: .NET Core, Node.js, ABP, RabbitMQ, Redis, MinIO, RESTful APIs, WebSocket

Frontend: Vue.js, React, AngularJS, Angular

DevOps Tools: AWS, Jenkins, Git, Npm, Kibana, Docker, Scrum

Database: PostgreSQL, MSSQL, Oracle, Elastic, MongoDB

Languages: Turkish (Native), English (Professional working proficiency)