



# ESRA KOYUNOGLU

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## OBJECTIVE

Experienced Software Engineer with a strong background in both frontend and backend development. I thrive as a trusted gear in high-performing teams, building robust, scalable systems with clean and maintainable code.

## EDUCATION

**Bachelor of Science | Computer Science** Aug 2017 – June 2021  
Hacettepe University Ankara, Türkiye

## WORK EXPERIENCE

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

- 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.
- Used technologies:** .Net6, .Net8, Abp, RabbitMQ, MinIO, AWS, Redis, Kibana, Jenkins

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

- Developed data processing and visualization tools for law enforcement and financial crime tracking platforms.
- Refactored a legacy module with complex logic, reducing code complexity and improving maintainability. Introduced multi-language support across the entire application from scratch.
- Redesigned the frontend UI for a cleaner and more modern user experience.
- Used technologies:** VueJS, VivaGraph, D3, .Net, PostgreSQL, Oracle, MsSQL, Git, npm

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

- 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
- Used technologies:** AngularJS, ReactJS, Node.js, D3.js, Npm, SourceTree, Scrum

## PROJECTS

**Bookland - Online Bookstore App | Java, Flutter** Fall 2020  
Developed a cross-platform bookstore application enabling users to search, browse, and order books. Included features like cart management and user authentication.  
Bookland Project

**Skin Cancer System | Python** Spring 2021  
Built an image classification system to detect skin cancer with 88% accuracy using a convolutional neural network (CNN) on labeled medical image data.

## SKILLS AND HOBBIES

**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 (basic), Scrum  
**Databases:** PostgreSQL, MSSQL, Oracle, Elastic, MongoDB  
**Languages:** Turkish (Native), English (Professional working proficiency)