Fırat Koçoğlu

Full-Stack Web Developer

Istanbul, Turkiye | firatkocoglu@outlook.com | firatkocoglu.com

GitHub: github.com/firatkocoglu | LinkedIn: linkedin.com/in/firatkocoglu

Professional Summary

Self-taught full-stack developer with strong focus on backend systems. Skilled in PHP, Node.js, TypeScript, and PostgreSQL. Experienced in building scalable systems, writing clean code, and managing APIs, databases, and authentication layers. Passionate about solving real problems with practical software solutions.

Focused on building efficient, maintainable systems and exploring how technologies integrate across the stack. Strong commitment to clean code and solving real-world problems with reliable software solutions. Always learning and evolving with modern development practices.

Backend Highlights

- Designed and documented RESTful APIs with authentication and role-based access
- Applied database indexing and normalization techniques
- Used Redis for session management and token blacklisting
- Built middleware for validation, error handling, and user control

Projects

Library Management System

Backend | Frontend

Stack: TypeScript, Node.js (Express), PostgreSQL, React, Tailwind CSS

- Full-stack system for managing books, users, and loans.
- JWT authentication, Redis token blacklist, admin roles, pagination.
- Controller-Service-Repository architecture for maintainable code.
- React + Vite frontend with clean UI/UX and route loaders.

Chat Application

GitHub

Stack: PHP (Slim), SQLite, RESTful API

- Built a chat app with public/private messaging using modern PHP OOP.
- JWT middleware, session control, route protection, prepared queries.
- Indexed and normalized SQLite schema.
- Wrote PHPUnit tests for services and route-level validation.

Technical Skills

- Languages & Frameworks: PHP (Slim), JavaScript, TypeScript, Node.js (Express), Python (Django), React, HTML, CSS
- Databases: PostgreSQL, Redis, SQLite
- Tools & Infrastructure: Git, Docker, AWS, JWT
- Architecture & Patterns: RESTful APIs, Controller-Service-Repository, OOP, MVC

Soft Skills

- Self-motivated and proactive in learning and development.
- Strong problem-solving skills and attention to detail.
- Excellent communication and collaboration in team environments.
- Adaptable and calm under pressure in fast-paced environments.

Education

- M.Sc. Economics – Yıldız Technical University (2019–2020)
- B.Sc. Industrial Engineering – Kadir Has University (2013–2018)

Certifications

- Meta Back-End Developer
- Full-Stack Web Development with React
- Back End Development and APIs
- JavaScript Algorithms and Data Structures
- NodeJs Tutorial and Projects Course
- The Complete Web Development Camp
- Responsive Web Design

Languages

- Turkish – Native
- English – Professional proficiency
- Spanish – Professional proficiency