ALİ TEMURTAŞ

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SUMMARY

Information Systems Engineer and Full Stack Developer with **4+** years of experience building scalable production ready applications focused on secure, responsive and user oriented end to end solutions.

EXPERIENCE

Full Stack Engineer

Korsis Technology **December 2025 - Present, Ankara**

- Restructured the **FastAPI** backend into a layered architecture and completed the migration within 2 weeks improving readability, maintainability and testability.
- Implemented **JWT** based security on both the frontend and backend securing 100+ API endpoints for authentication and protected access.
- Integrated **Helm** into k8s (kubernetes) deployments and organized values.yaml files to support clean environment based configuration.
- Refactored the on prem GUI to integrate smoothly with **k8s** (kubernetes) and Helm deployment changes.
- Rearchitected shell scripts used for GUI installation including K3s setup, **NGINX** Ingress configuration and deployment automation.
- Configured the Next.js app to use output **standalone** and dockerized it for lightweight, production ready K8s (kubernetes) deployments.

Full Stack Developer

Innova **March 2022 - August 2025, Ankara**

- Delivered the ITOOLS (https://www.itools.com.tr) web application in January 2023 after 9 months of solo development. The system simplifies subcontractor progress payments by replacing Excel based processes and provides secure data storage with reliable tracking. Built with **React**, **Express.js**, **IIS**, and **SQL Server**, implementing a **JWT** refresh token mechanism that automatically renews tokens every 10 minutes to maintain secure user sessions.
- Managed payments exceeding **$3 million** streamlining financial operations with improved accuracy.
- Drove the transition to a centralized platform for managing subcontractor payments leading to a 95% reduction in payment errors and improved processing times by 50%.
- Orchestrated the deployment of ITTS (https://itts.itoolsinnova.com) using multiple Docker containers with Nginx managing the entire deployment process end to end. Collaborated closely with company's IT team to resolve port conflicts and configure Docker networking ensuring seamless communication and optimal performance across services.
- Deployed a scalable system integrating **React**, **Spring Boot**, **Nginx**, **Docker**, **Redis**, and **SQL Server**, automating subcontractor offer evaluation and reducing Excel usage by 95%.
- Optimized database performance by resolving the **N+1 query problem** using efficient join queries and lazy loading resulting in an 80% reduction in query execution time and database load. Also implemented Redis caching within a 2 week development cycle to improve data access speed, system responsiveness and user experience.

Software Engineer, Intern

Netas **July 2019 - August 2019, Ankara**

- Contributed as a Software Engineer Intern to the MEB Smart Board Payment System (FATİH Project) within a team of 5 interns and 1 lead engineer.
- Developed a web based payment interface in 2019 that streamlined payment workflows and reduced reliance on manual processing.
- Supported Ministry of National Education requirements by delivering core features within a 1 month development period contributing to on time project delivery.

PROJECT

masterdsa.net

Personal • masterdsa.net/ • September 2025 - December 2025

- Developed masterdsa.net a comprehensive educational platform consisting of 6 core sections.
- Covers 6 sections: Java, Advanced Java, Data Structures & Algorithms, System Design, Design Patterns, and Clean Code.
- Architected the system using a microservices approach with Kubernetes and Docker integrating Kafka for asynchronous messaging Elasticsearch for advanced search and Redis for high performance caching.

Spring Boot Advanced Starter Pack

Personal • github.com/Aligorithm-97/SpringBootAdvancedStarterPack • December 2024 - December 2024

- Designed a Spring Boot Advanced Starter Pack with preconfigured integrations including database connections, Spring Security with JWT refresh tokens, email services, and AOP based logging, reducing initial project setup time by up to 50%.
- Standardized common enterprise configurations into a reusable Maven and Gradle dependency enabling faster project bootstrapping across multiple applications and establishing a shared foundation for projects targeting 2026 releases.
- Accelerated development workflows by enabling developers to adapt new projects with minimal adjustments improving delivery speed and consistency across teams within the first 2 3 sprints.

EDUCATION

Bachelor's Degree in Information Systems Engineering

ATILIM University • Ankara, Türkiye • 08/2016 - 01/2022

SKILLS

Java, Spring Boot, JavaScript, TypeScript, Node.js, Express.js, React, Redux, Next.js, Docker, Redis, AWS, Nginx, IIS, Traefik, Microservices, ElasticSearch, Kafka, Kubernetes, Frontend, Backend, SQL, NoSQL, Full Stack, English, Turkish – All professional proficiency or above