



OKTAY PARLAK

SOFTWARE ENGINEER

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SKILLS

Programming Languages	JavaScript, TypeScript, Java, Python
Frameworks & Libraries	Spring Boot, Node.js, Nest.js, Express.js, React, Next.js, Django, FastAPI
Database Systems	Relational Databases (OracleDB, PostgreSQL, MySQL), Non-Relational Databases (MongoDB, Redis, Elasticsearch)
DevOps	Amazon Web Services (S3, SES), Firebase, Docker, RabbitMQ Logstash, Filebeat
Tools & Technologies	Git, GitHub, RESTful API, SOAP, WebSocket, PowerDesigner, DataPower, Agile, AI Tools (Claude Code, Codex, Cursor)

EXPERIENCE

Yapı Kredi Tech via Infonol/Software Engineer August 2025 - February 2026

- Developed and maintained high-performance Java Spring Boot microservices and PL/SQL procedures within Yapı Kredi Technology's Corporate Payments team, supporting millions of daily transactions for Yapı Kredi Bank.
- Implemented event-driven architectures using RabbitMQ and optimized caching strategies with Redis, improving system scalability and response times in critical payment services.
- Collaborated in Agile/Scrum teams to deliver secure, fault-tolerant backend solutions for enterprise-grade financial systems, ensuring compliance, reliability, and continuous deployment standards.

Freelance Software Developer August 2022 - July 2025

- Created 10+ customized web applications using Node.js, Express.js, MongoDB and React, providing efficient and scalable solutions. worked with both SQL (PostgreSQL) and NoSQL databases.
- Experienced in developing algorithms with Java and creating RESTful web services using Spring Boot.
- Worked on various client projects, creating applications with diverse technologies and methodologies.

Orion Innovation/Software Engineer Intern February 2025 - April 2025

- Developed a scalable task management API using FastAPI with a modular architecture (routers, services, schemas, database layers).
- Implemented a centralized logging system using Filebeat and Logstash to collect and parse application logs, and forwarded structured data to OpenSearch for visualization through OpenSearch Dashboards
- Added Celery with Redis for background task processing and used Flower for monitoring asynchronous jobs such as indexing on task creation.

Limon Creatif/Software Developer Intern September 2024 - October 2024

- Limon Creatif is a software company that provides innovative software solutions to meet diverse client needs.
- Managed and developed the entire backend and deployment process for the İndirimci Panda application, ensuring seamless functionality and deployment.

Made in Graphic/Software Developer August, 2023 - September, 2023

- Established the backend system for electric vehicle charging stations.
- Contributed to implementing various functionalities, including payment processing, and charge initiation and termination.
- Ensured reliable and efficient system performance for seamless user experience.

EDUCATION

Erciyes University - Turkey

Bachelor's in Computer Engineering
2020 - 2025 | GPA: 2.91

Courses:

- Object Oriented Programming
- Data Structures and Algorithms
- Database Management Systems
- Software Engineering
- Linear Algebra
- Discrete Math

COMMUNITIES

Google Developer Students Clubs Erciyes

Core Team Member | 2022-2023

IEEE (Institute of Electrical and Electronics Engineers)

Computer Society Member | 2021-2022

CERTIFICATIONS

Telc Deutsch A2

telc GmbH | May 2026

React Bootcamp

Erciyes Teknopark | 2023

Advanced Java

BTK Akademi | 2022

GENERAL

Languages

Turkish (Native)
English (B2)
German (A2)

General

Chess, photography, public speaking, mentoring, writing

REFERENCES

Yüksel KARAMAN

- Manager, Yapı Kredi Technology

Hasan EKŞİ

- Director, Limon Creatif

Assoc. Prof. Ahmet Nusret TOPRAK

- Department of Computer Engineering, Erciyes University

Assoc. Prof. Mete ÇELİK

- Department of Computer Engineering, Erciyes University

PROJECTS

Borsa Caddesi

January, 2025

- Developed a full-stack news website using the MERN stack (MongoDB, Express.js, React, Node.js), allowing users to log in via the admin panel and publish news articles..
- Single-handedly built the entire system from scratch, including frontend, backend, and user authentication functionalities.
- Deployed the application to a production server using Docker for containerization and ensured smooth operation on a live environment.

İndirimci Panda

October, 2024

- Led the backend development of İndirimci Panda, a mobile application that enables users to track online discounts and receive notifications for selected categories or brands, built using Express.js and Firebase.
- Dockerized the application and deployed it on AWS, ensuring efficient and error-free deployment processes, and enhancing scalability for a growing user base.
- Utilized AWS S3 for secure data storage and AWS RDS for robust database management, significantly improving data retrieval speeds and system performance, supporting the app's ability to handle real-time notifications.

GoalHive

September, 2024

- GoalHive is a web-based project management tool that organizes tasks using boards, lists, and cards. It helps teams collaborate, track progress, and manage deadlines in real-time. Constructed using the Express.js, React, Node.js, and PostgreSQL, ensuring robust data structure and efficient queries.
- Implemented JWT-based authentication and authorization, providing secure access to user-specific boards and tasks.
- Optimized the backend for performance and scalability, leveraging PostgreSQL and Sequelize to handle large volumes of task data and ensure smooth synchronization across the application.