

CANDAN CEMRE BALCI

Software Engineer

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SUMMARY

Software Engineer proficient in Java, Python, and JavaScript, with hands-on experience in building robust applications using Spring Boot, Django, and React. Experienced in the full development lifecycle, from Agile planning to version control with Git.

EDUCATION

Bachelor of Science in Software Engineering, Çankaya University, Ankara,Turkey, 2025

SKILLS

Programming: Java, Python, JavaScript, C

Frameworks & Libraries: Spring Boot, Django, React, JPA/Hibernate, Django REST Framework

Tools & Databases: PostgreSQL, MySQL, Docker, Git, Postman, Maven

Languages: English (B2), German (B1), Turkish (Native)

EXPERIENCE

Frontend Development Intern | GİB Technology Ankara, Turkey | July 2024 – August 2024

- Contributed to the **Digital Tax Office** platform by developing responsive interfaces using **React, JavaScript (ES6+)**, and modern CSS.
- Utilized **Git** for version control to maintain professional coding standards.

Software Engineer Intern | SEKOM A.S. Ankara, Turkey | July 2023 – August 2023

- Designed and implemented a bi-directional SFTP file synchronization system using Java Spring Boot, ensuring secure and efficient data transfer.
- Utilized Linux environments for application deployment and basic system configuration.
- Worked with VMWare for virtualization and managed the codebase through Git to ensure version control.

PROJECTS

AI-Generated Video Detection System | TÜBİTAK 2209-A Supported

- Technologies: **Django (Python), React, Deep Learning, Computer Vision, REST API, SQLite**
- Developed a web application to detect AI-generated videos, allowing users to upload and analyze content using a custom-trained AI model
- Developed a Django-based backend for video processing and database management, integrated with a React frontend for seamless video upload and result visualization.
- GitHub:** [github.com/candanbalcii/ai-video-detection]

Task Management REST API | Java, Spring Boot, PostgreSQL, Docker

- Developed a RESTful API for task management with full CRUD operations, using JPA/Hibernate for relational database design and one-to-many relationships
- Applied Layered Architecture (Controller, Service, Repository, DTO) to build scalable and maintainable code structure
- Containerized PostgreSQL with Docker Compose and created Postman collection for API testing and documentation
- GitHub:** [github.com/candanbalcii/tasktracker]

Flight Reservation System | Django REST Framework, PostgreSQL

- Created a comprehensive REST API for managing flights, airplanes, and reservations
- Implemented complex validation logic within serializers to prevent airplane scheduling conflicts and overbooking.
- Integrated advanced filtering and search using django-filter to enable efficient data retrieval by schedule and location.
- Designed a relational database schema with entity relationships between airplanes, flights, and passenger bookings.
- GitHub:** [github.com/candanbalcii/airline-management-system]

REFERENCES

Dr. Bilgin Avenoğlu - Head of Software Engineering, Çankaya University | bilgin@cankaya.edu.tr

Sevgi Koyuncu Tunç - Lecturer, Çankaya University | sevgik@cankaya.edu.tr

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