

OSMAN BAHADIR AVCI

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Education

Yildiz Technical University — B.Sc. in Mathematical Engineering (Expected 2026)

Experience

Backend Developer Intern — Softtech (Is Bankasi Subsidiary) | June 2025 – December 2025

- Developed backend services within enterprise systems using internal low-code platform (Plateau)
- Designed and implemented BFF layers to transform SOAP services into REST APIs
- Participated in CI/CD processes and enterprise deployment pipelines (UAT, INT, PROD)
- Collaborated with senior developers in code reviews and enterprise-level workflows

Backend Developer Intern — Denker Elektronik | June 2023 – September 2023

- Developed a Golang-based service to synchronize data between multiple databases
- Designed data consistency logic across distributed systems
- Implemented reliable data transfer mechanisms

Projects

Yildiz Sky Lab Backend (HRMS System)

- Developed backend services for a club-based HRMS system
- Built RESTful APIs using Golang and SQL-based data models
- Containerized services using Docker
- Managed version control and collaboration using Git

CTF Challenge Development (Golang)

- Designed reverse engineering challenges for CTF competitions
- Built custom logic using pseudo-random generators and algorithmic vulnerabilities
- Focused on security concepts and exploit-based problem solving

Technical Skills

Languages: Go, Java, C

Backend: REST APIs, Microservices, Spring Boot, Gin

Database: PostgreSQL, SQL

Tools: Docker, Git, GitHub Actions, CI/CD

Concepts: Multi-tenant Architecture, Authentication & Authorization, API Design

Leadership & Activities

Vice President — Yildiz Sky Lab Computer Science Club

- Managed organizational operations and coordinated teams
- Led workshops, bootcamps, and events
- Improved technical initiatives within the club

R&D; Team Lead — Yildiz Sky Lab

- Led teams across web, mobile, security, blockchain, game, AI, and embedded systems
- Coordinated cross-functional projects

- Guided development of real-world software projects

Git & GitHub Workshop — Instructor

- Taught version control concepts and collaboration workflows
- Guided hands-on exercises

Backend Bootcamp (Java / Spring Boot) — Organizer & Instructor

- Taught REST API development and backend fundamentals
- Guided participants through real-world projects