

Menekşe Yüncü

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WORK EXPERIENCE

Pera

Software Java Developer

October 2023 – September 2025

- Developed the project architecture using **Java 17**, **Spring Boot**, and **PostgreSQL**, adhering to a **Multi-Monolith Module** structure. Provided API development and maintenance for enterprise-scale projects serving 100K+ users.
- Actively utilized **Redis** for **Session Management** and **Caching** to enhance application performance and user experience.
- Established and managed the performance monitoring infrastructure using **Prometheus** and **Grafana** to track system health, measure critical metrics, and set up proactive alerts.
- Managed **Elasticsearch** based **Log Monitoring** for centralized log collection and analysis. Used **New Relic** for Application Performance Tracing (APT) and applied advanced query practices similar to Datadog.
- Developed a **Management Module** for integration with KEP, UETS, and GIB systems, overseeing third-party service interactions and data flow.
- Used **Liquibase** migration tool for database schema versioning and consistency. Managed schema updates using **DDL**, while executing **DML** operations via ORM.
- Implemented secure storage and management processes for critical files such as **PDF** and **audio files** in internal projects using **S3-compatible MinIO**.
- Automated **CI/CD** pipelines using **GitHub Actions** and local server automation scripts to reduce deployment times and ensure consistency.
- Implemented **FFmpeg** integration for video processing and completed cloud storage solutions with **Azure Blob Storage** for long-term media storage.
- Collaborated directly with customers, participating in requirements analysis and project planning.

Freelance

Backend Developer

November 2023 - January 2024

- Developed a customer tracking and appointment management system for a local beauty salon.
- Developed a secure **RESTful API** using **Spring Boot** and **Spring Security**, with **JWT-based authentication**.
- Integrated **Kafka** message queue service to track user interactions and enable asynchronous communication.
- Established **relational data models** in **MySQL**, ensuring referential integrity and transaction safety.
- Completed the API integration for **VatanSMS**, establishing an automated **SMS sending system** for customer notification processes.
- Wrote **Unit Tests** and **Integration Tests** to enhance code quality and reliability.
- Used Test Containers to ensure test environment consistency, running dependencies like the database in isolated Docker environments.

OdeonTech

FullStack Developer Intern

June 2022 – August 2022

- Contributed to the OTM Task Management project using **Java**, **Spring Boot**, **React**, and **JavaScript**.
- Designed **RESTful** endpoints for task operations and developed front-end components for user management.
- Improved system reliability by writing modular code and reusable UI components.
- Actively used **Jira** and **Confluence** for task tracking and project documentation, utilizing Agile project management methodologies.

VOLUNTEER PROJECTS

Afet Yönetim Sistemi (Disaster Management – AYS)

Backend Developer

December 2023 – Present

- Contributed as a backend developer to an **open-source disaster management platform**.
- Built and maintained **RESTful APIs** with **Spring Boot**, ensuring code quality through **JUnit** and **integration tests**.
- Strengthened collaboration through **Git-based workflows** and enforced backend development best practices.

Gelecek Bilimde

Backend Developer

August 2024 – January 2025

- Developed and deployed microservices for authentication and user management using **Spring Boot**, **Spring Security**, and **JWT**.
- Integrated **PostgreSQL** and **Docker** for containerized environments and improved deployment consistency.
- Tested APIs using **Postman**, ensuring functional reliability and data integrity across services.

EDUCATION

Çanakkale Onsekiz Mart University – Computer Programming

2020 – 2022

- Focused on database management systems, algorithms, and object-oriented programming.
- Gained practical experience through joint projects in C#, Java, and Delphi 7, including small-scale game and web applications.
- Developed proficiency in UML-based design and collaborative software development processes.

SKILLS

▪ Technical Skills:

Java (17/21/23), Spring Boot, Spring Security, REST API Development, Docker, Redis, Kafka, PostgreSQL, MySQL, PL/SQL, SQL2o, MapStruct, KEP/UEFS, Thymeleaf, Elasticsearch, New Relic, Azure Blob Storage, S3 MinIO, Liquibase, Maven, GitHub, CI/CD, TestContainers, JUnit, Integration Testing, Jira, Asana

▪ Soft Skills:

Analytical Thinking, Problem Solving, Collaboration, Communication, Accountability, Adaptability, Continuous Learning.