


Yasin Küçüker

Software Developer

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PROFILE

I am a passionate Java & Spring Boot Developer with solid experience in building scalable applications using REST APIs, JPA/Hibernate, and relational databases. I work confidently with microservices architecture, including Spring Cloud, OpenFeign, Eureka, API Gateway, RabbitMQ, Docker, and Kubernetes, and I have hands-on experience with distributed tracing using Zipkin. I focus on writing clean, maintainable code aligned with SOLID principles while continuously improving my expertise in Spring Security, JWT authentication, testing, and CI/CD pipelines. I am eager to contribute to high-performance systems and collaborate with innovative teams to deliver impactful solutions.

PROFESSIONAL EXPERIENCE

Full Stack Developer

2021 – 2022

Lesso Software

Konya, Turkey

- Led the design, development, and implementation of graphic, layout, and production communication materials.
- Responsible for user interface and frontend development.
- Worked with HTML, CSS, and JavaScript.
- Designed the database architecture and implemented backend functionality.
- Used PHP, Ajax, JSON, and MySQL for backend development.
- Projects: Developed websites as a clone of Ticaretiks.com 🌐 .

Low-Code Developer

2022 – 2023

Inventara

Rotterdam/NL

- Led the design, development, and implementation of UI/UX, layouts, and production communication materials.
- Responsible for user interface and frontend development, including dashboards, landing pages, SMS services, REST APIs, Google Maps services, Excel import/export, and internal pages.
- Responsible for database design and backend development.
- Projects: Smishing App, Delivery App

Low-Code Developer

2023 – 2024

Koç University

Istanbul/Turkey

- Led the design, development, and implementation of graphic, layout, and production communication materials.
- Responsible for user interface and frontend development.
- Worked on dashboards, landing pages, REST APIs, Excel import/export, and various page structures.
- Responsible for database design and backend development.
- Projects: <https://www.ku.edu.tr/> 🌐

Game Tester

2024 – 2025

Skyfect

Istanbul/TR


- Conducted thorough testing of a horror game to identify and document bugs and issues.
- Recorded gameplay footage for detailed analysis of mechanics and user experience.
- Reported errors and inconsistencies during test phases.
- Collaborated with the development team to resolve identified issues.
- Reviewed solution code to ensure proper functionality.
- Provided feedback on game design and UI to improve overall player engagement.
- Project: Horror video game – PUKE 🌐

PROJECTS

Exchange Rate Service

A Spring Boot + PostgreSQL based foreign exchange service that integrates with the Frankfurter API. It provides RESTful endpoints for retrieving exchange rates, performing currency conversions, and storing conversion history.


Technologies: Java, Spring Boot, PostgreSQL, Docker, Swagger

<https://github.com/ysnkucuker/exchange-service> 

School Management Service with Microservices

Designed and implemented a school management system using a microservices architecture with Spring Boot. Integrated Eureka for service discovery, API Gateway for centralized routing, and Feign Client for inter-service communication. Implemented Resilience4j Circuit Breaker for fault tolerance. Each service (Student, Course, Instructor, Enrollment) is backed by PostgreSQL. Added Zipkin for distributed tracing to ensure full observability across the system.


Technologies: Java, Spring Boot, Spring Cloud, Eureka, API Gateway, Feign, Resilience4j, PostgreSQL, Zipkin

<https://github.com/ysnkucuker/school-management-microservices> 

Insurance Microservice System

Designed and implemented a scalable insurance platform using a microservices architecture with Spring Boot and Spring Cloud. Integrated Eureka for service discovery, API Gateway for centralized routing, and Feign Client for inter-service communication. Utilized RabbitMQ for asynchronous messaging and PostgreSQL for data persistence. Implemented Micrometer Tracing and Zipkin for full observability across services. The system includes Insurance, Validation, and Notification services, each operating independently and communicating via REST and messaging.


Technologies: Java, Spring Boot, Spring Cloud, Eureka, API Gateway, Feign, RabbitMQ, PostgreSQL, Micrometer, Zipkin, REST API, Docker

<https://github.com/ysnkucuker/insurance-microservices> 

Talebox – Story-Based English Learning Platform

Developed a story-based English learning platform using Java Spring Boot with a MySQL database on Oracle Cloud. Integrated Thymeleaf for server-side rendering and secured the application with JWT authentication and SSL. Deployed on Ubuntu with a production-grade setup. Provided RESTful endpoints for user management, content delivery, quizzes, and progress tracking. Implemented role-based access control with an admin dashboard supporting full CRUD operations.


Technologies: Java, Spring Boot, MySQL, Oracle Cloud, Thymeleaf, Ubuntu, SSL, JWT, REST API

<https://www.talebox.net> 

Lingoworm – Web-Based Language Learning Platform

Designed and implemented a web-based language learning platform using PHP and MySQL for the back-end. The system delivers interactive modules, including flashcards, grammar topics, reading exercises (news articles and stories), listening activities (podcasts, dialogues, and stories) with synchronized reading tracking, speaking practice with pronunciation evaluation for words and sentences, writing exercises with grammar validation, and a translation tool.


Technologies: PHP, MySQL, HTML, CSS, JavaScript, SSL, Responsive Web Design

<https://www.lingoworm.net> 

Lingoworm – Mobile Language Learning Application

Developed a mobile language learning application with comprehensive modules for vocabulary acquisition and practice. The app includes flashcards with pronunciation support and an integrated quiz system, grammar lessons, reading exercises (news, articles, and stories), and listening activities (dialogues, podcasts, and stories). Implemented speaking practice using Gemini integration, enabling interactive conversations and pronunciation evaluation. Added writing exercises with both word-level and Gemini-powered grammar validation. Extended learning with idioms and phrasal verbs modules. Integrated translation features supporting both text translation and image-based translation, where text within photos is extracted and translated.


Technologies: Android, Java, PHP (backend), MySQL, Gemini API, Text & Image Translation

<https://play.google.com/store/apps/details?id=com.yasinkucuker.lingoworm> 

KodDersleri – Personal Educational Blog

Developed a personal blog-style educational website aimed at teaching programming through step-by-step lessons and practical examples. The platform covers topics such as algorithm design, object-oriented programming, database systems, web programming, mobile development, game programming, operating systems, data structures, and visual programming languages. Each lesson explains concepts with code examples, helping learners practice and strengthen their programming skills.

Technologies: PHP, MySQL, HTML, CSS, JavaScript, Responsive Web Design

<https://www.koddersleri.com> 

EDUCATION

Computer Engineering

Konya Technical University

2015 – 2020

Konya

Relevant Coursework

Algorithm and Programming I & II	Operating Systems (OS)
Object-Oriented Programming (OOP)	Data Structures
Database Systems	Visual Programming Languages
Web Programming	Algorithms (Advanced)
Advanced Programming Languages	Software Engineering

SKILLS

Technical Skills

- **Programming Languages:** Java, Kotlin, PHP, JavaScript, HTML, CSS
- **Frameworks & Libraries:** Spring Boot, Thymeleaf
- **Databases:** MySQL, PostgreSQL
- **Cloud & Hosting:** Oracle Cloud, Ubuntu Server, SSL Configuration
- **Web Development:** Responsive Web Design, RESTful API Development
- **Mobile Development:** Android (Java), Gemini API Integration
- **Authentication & Security:** JWT Authentication, Role-based Access Control
- **Software Engineering:** Object-Oriented Programming (OOP), Data Structures, Algorithms, Software Engineering Principles
- **Tools & Platforms:** Git/GitHub, Swagger/OpenAPI
- **Containerization & Orchestration:** Docker, Kubernetes

Spring Boot Tools & Ecosystem

- **Spring Security** → authentication & authorization
- **Spring Data JPA** → ORM and database access
- **Spring MVC** → RESTful API and web layer
- **Spring Validation** → input validation
- **Spring Actuator** → monitoring and health checks
- **Eureka** → service discovery
- **API Gateway** → centralized routing
- **Feign Client** → inter-service communication
- **Resilience4j** → circuit breaker & fault tolerance
- **RabbitMQ** → asynchronous messaging
- **Zipkin** → distributed tracing & observability

Collaboration & Project Management Tools

- **Jira** → Agile project management, issue tracking, sprint planning
- **Miro** → Online whiteboarding, brainstorming, workflow visualization
- **ClickUp** → Task management, team collaboration, productivity tracking

COURSES

Advanced Java Course

Robot Dreams - Koray Güney

09/2023 – 11/2023

Istanbul

Completed an intensive training program covering advanced Java and Spring Boot ecosystem with hands-on projects. Key topics included:

- **Object-Oriented Programming (OOP):** UML diagrams, OOP principles, annotations, associations
- **Persistence Layer:** JPA, Hibernate, project folder structure, Repository-Service-Controller pattern
- **Spring Boot Configuration:** Repository, Service, Controller setup, GlobalExceptionHandler, CRUD functions
- **Data Transfer & APIs:** DTOs, Mapper classes, RestTemplate integration, PUT/POST operations, Swagger documentation
- **Microservices Architecture:** Design and implementation, Docker initialization, Docker Hub integration, database connectivity
- **Service Communication:** Eureka service discovery, OpenFeign client, Sleuth & Zipkin distributed tracing
- **API Gateway & Messaging:** Load balancing, MQ services, RabbitMQ integration
- **Containerization & Orchestration:** Dockerization (push/pull to Docker Hub), Kubernetes configuration and deployment across services

Technologies: Java, Spring Boot, JPA, Hibernate, Swagger, Microservices, Docker, Kubernetes, Eureka, OpenFeign, Sleuth, Zipkin, RabbitMQ
<https://yasinkucuker.com/assets/certificates/JavaEN.pdf> 