


Yasin Küçüker

Mendix Developer

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PROFILE

Mendix Low-Code Developer with experience in delivering enterprise and client-facing applications across procurement, cybersecurity, and logistics domains. Skilled in domain modeling, database design, RBAC, backend logic, and REST API integrations. Proven ability to build scalable, production-ready Mendix solutions in both corporate and startup environments.

PROFESSIONAL EXPERIENCE

Koç University – Enterprise Application Development (Mendix)

2023 – 2024

Contributed to the development of **Koç ITA**, a centralized enterprise application for managing internal requests, procurement, tender, and approval workflows, replacing fragmented and manual processes.

Istanbul/Turkey

- Collaborated within a 15-member cross-functional team throughout the full application lifecycle.
- Designed domain models and database structures, and implemented role-based user management
- Developed backend logic, validations, and frontend page flows for request, approval, and tender processes
- Delivered a centralized, role-based procurement system that improved process traceability, reduced manual operations, and increased operational efficiency across the university

Technologies: Mendix (Low-Code), Domain Modeling, REST Integrations

Inventara – Low-Code Application Development (Mendix)

2022 – 2023

Delivered production-ready applications for different business domains as part of a 3-person team, under strict deadlines and integration-heavy requirements.

Rotterdam/NL

(Remote)

- Developed two client-facing applications:
- Smishing detection and reporting system for a cybersecurity company
- Delivery tracking application with dashboards, internal management pages, and external integrations
- Implemented UI flows, backend logic, database design, and role-based access control
- Integrated REST APIs, Google Maps, and Excel import/export functionality
- Successfully delivered applications that supported real-world business workflows, demonstrating rapid development, adaptability, and reliability in a dynamic startup environment

Technologies: Mendix (Low-Code), REST APIs, Google Maps API, Excel Integration, RBAC

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 based on a Spring Boot microservices architecture, leveraging Eureka for service discovery, API Gateway for centralized routing, and OpenFeign 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/yasnkcuker/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 backend. 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, an integrated quiz system, grammar lessons, reading exercises (news, articles, and stories), and listening activities (dialogues, podcasts, and stories). Implemented speaking practice using Gemini, enabling interactive conversations and pronunciation evaluation. Added writing exercises with both word-level and AI-powered grammar validation. Extended learning with idioms and phrasal verbs modules. Integrated translation features supporting both text 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.yasnkcuker.lingoworm> 

Yaso – AI-Powered Personal Chatbot

Developed an AI-powered chatbot integrated into a personal website to provide interactive, context-aware information about professional background, technical skills, and projects. Improved recruiter and visitor engagement by enabling structured, conversational access to profile information.

Technologies: Voiceflow, OpenAI API, Airtable, Python (Flask), AWS EC2, HTML, CSS, JavaScript

<https://yasinkucuker.com/ai/yaso/index.html> 

EDUCATION

B.Sc. in Computer Engineering - Konya Technical University

2015 – 2020

Relevant Coursework

Konya

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


English Course (B1-C2 Level)

2022 – 2024

AmericanLIFE

Karaman

Completed a comprehensive English language program covering intermediate to advanced levels. Training focused on advanced grammar structures, functional English, and professional communication skills, including clauses, conditionals, modal verbs, passive voice, reported speech, gerunds & infinitives, phrasal verbs, idioms, and academic writing mechanics. Program emphasized both spoken and written fluency, with practical usage in professional and real-life contexts.

<https://yasinkucuker.com/assets/certificates/c2.pdf> 

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

Mendix Rapid & Intermediate Low-Code Development

12/2023 – 02/2024

- **Application Fundamentals:** Mendix Studio Pro, app structure, page navigation
 - **Domain Modeling:** Entities, associations, validations, constraints, database persistence
 - **Business Logic:** Microflows, decision logic, validations, error handling
 - **UI & UX Flows:** Responsive pages, forms, dashboards, user-driven workflows
 - **Integrations:** REST API consumption and exposure, JSON handling
 - **Data Handling:** Import/export (Excel), external system integration
- Technologies:** Mendix (Low-Code), Microflows, Domain Modeling, REST APIs, RBAC, UI Flows

Advanced Java Course

09/2023 – 11/2023

Robot Dreams - Koray Güneş

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> 