

ONUR UYSAL

Senior Full-Stack Software Engineer | Technical Leadership

uysalonur@gmail.com | +90 535 725 3661 | linkedin.com/in/uysal-onur

PROFESSIONAL SUMMARY

Senior Software Engineer with 5+ years of production software development experience across web, mobile, backend, real-time, and AI-powered systems. Strong in React, React Native, Next.js, TypeScript, Java/Spring Boot, and Node.js, with hands-on experience in API and data-model design, databases, cloud delivery, CI/CD, testing, observability, and production operations. Combines hands-on engineering with technical leadership across architecture, code review, hiring, engineering planning, repository/tooling governance, stakeholder coordination, and production incident resolution.

CORE TECHNICAL STACK

Backend	Java 21+ • Spring Boot • Spring MVC • Spring Security • Spring Data JPA / Hibernate • Node.js • Express.js • REST APIs • WebSockets
Architecture	System Design • DDD • Modular Monolith • Clean Architecture • SOLID • Dependency Injection • Event-Driven Architecture
Frontend / Web	React • Next.js • TypeScript • JavaScript (ES6+) • Angular • HTML5 • CSS3 • SASS/SCSS • TanStack Query
Mobile	React Native • Expo • EAS • iOS & Android • Native Modules • Xcode • Android Studio • Gradle • OTA Deployments
Data / Messaging	PostgreSQL • MongoDB • Redis • SQL • Indexing • Transactions • Concurrency • Query Optimization • Database Migrations
Cloud / DevOps	AWS • ECS • SQS • CloudWatch • Docker • GitHub Actions • CI/CD
Quality / Security	JUnit • Mockito • Testcontainers • Jest • Sentry • JWT • RBAC
Leadership	Technical Leadership • Technical Hiring • Code Review • Mentoring • Engineering Planning • Repository & Tooling Governance

EXPERIENCE

Software Engineer / Product Owner | Kobimat AI - AI-Powered SaaS Platform

Nov 2025 – Present | Independent / Contract | Remote

- Architected and launched an AI-powered SaaS platform with a Next.js/TypeScript frontend and Java/Spring Boot backend, using PostgreSQL and Redis across core application, data, caching, and asynchronous-processing workflows.
- Translate product goals into engineering priorities, milestones, and technical decisions; coordinate delivery across application, AI integrations, infrastructure, and production dependencies while tracking risks and blockers.
- Designed resilient AI workflows with structured-output validation, timeout and retry policies, provider fallback, resumable processing, persistence, auditability, and controlled review/correction paths for unreliable model outputs.

Senior Software Engineer, Independent / Contract | Slothwise - Health Platform

Mar 2025 – Apr 2026 | Remote

- Own end-to-end engineering and delivery of a production React Native health application, from mobile architecture and data flows through integrations, release workflows, production support, and technical decision-making.
- Lead technical planning and architecture reviews across mobile and backend-facing work, evaluate implementation trade-offs and production risks, review code and approaches, and establish reusable engineering patterns for contributors.
- Build iOS/Android features including subscriptions, health-data integrations, widgets, calendar synchronization, offline-aware flows, caching, and OTA release workflows.
- Design and implement backend services and versioned REST APIs using Java 21, Spring Boot, Spring Security, PostgreSQL, and Redis, covering authentication, validation, caching, backward compatibility, and resilient mobile integration flows.

Software Development Specialist | İş Sistem - KFC Türkiye

Nov 2022 - Mar 2025 | Istanbul, Türkiye

- Owned React Native development, store releases, and production support for KFC Türkiye's consumer application across iOS and Android.
- Used crash data, analytics, user feedback, and store reviews to prioritize improvements that contributed to increasing the app rating from 2.1 to 4.2.
- Participated in technical hiring and supported engineers through interviews, code reviews, implementation guidance, onboarding, knowledge sharing, delivery follow-up, and engineering tooling/repository governance.
- Designed and developed an in-house HR platform using React/TypeScript and Java, Spring Boot, Spring MVC, Spring Security, Spring Data JPA/Hibernate, and PostgreSQL, structuring the backend as a modular monolith with clear domain, application, persistence, and API boundaries inspired by DDD and Clean Architecture.
- Designed HR-domain REST APIs, relational models, transaction boundaries, server-side filtering/pagination, JWT/RBAC authorization, and role-specific employee, manager, and administrative workflows, applying SOLID and dependency-injection patterns to keep business logic testable and maintainable.
- Implemented Redis caching and cache invalidation, asynchronous background processing, PostgreSQL migrations/indexing, JUnit/Mockito integration testing, Dockerized environments, structured logging, health checks, and production troubleshooting for internal services.
- Built and maintained Fastlane CI/CD pipelines, signing, staged App Store/Google Play releases and rollback workflows; strengthened KFC reliability with Sentry, Firebase, Adjust, Insider and GA4, and contributed to Pizza Hut Türkiye's Next.js platform.

Software Engineer | Tapu.com

Dec 2021 - Sep 2022 | Istanbul, Türkiye

- Developed B2B and e-commerce products using React Native, Next.js, Angular, and TypeScript/JavaScript, supporting 40K+ weekly active users and high-traffic real-time auction flows.
- Integrated REST APIs and WebSocket services for latency-sensitive bidding across web and mobile clients; improved reliability through automated testing, reconnection strategies, stronger error handling, and state synchronization.
- Worked with backend engineers on concurrency-sensitive real-time system design involving event ordering, stale client state, duplicate requests, reconnection behavior, and consistency across WebSocket-driven auction workflows.
- Contributed to Java backend services and AWS-based production workflows supporting auction and commerce systems, including ECS deployments, SQS-backed asynchronous processing, CloudWatch monitoring, Dockerized environments, and Testcontainers-based integration testing.
- Integrated Sentry, Segment, and Adjust for observability and analytics; built a pull-request automation bot that performed validation checks and reduced manual engineering coordination.

Founding Mobile Engineer & Shareholder | Hastanem Yanımda

Feb 2021 - Aug 2021 | Istanbul, Türkiye

- Built and launched a React Native healthcare application that reached 50K+ downloads and a 4.7-star rating across app stores.
- Delivered end-to-end appointment scheduling, real-time patient-doctor messaging, video consultations, payment flows, nearby-pharmacy discovery, and push notifications across iOS and Android.
- Built supporting Node.js, Express, Socket.io, MongoDB, Redis, and Docker services; designed REST/WebSocket flows, data models, caching, idempotent payment/appointment operations, asynchronous background workflows, and supporting AWS deployment/monitoring flows.
- Owned features from product requirements and architecture through API/data-flow design, implementation, deployment, debugging, and production support; later continued as a shareholder and product/technology advisor.

EDUCATION

Master of Science: Computer Engineering | İzmir Katip Çelebi University

Sep 2023 - May 2026

- Thesis: Temporal and Autoregressive Feature Engineering for Cattle Behavior Classification Using Low-Resolution Sensor Data.
- Developed a temporal and autoregressive feature-engineering framework using 9,222 labeled observations from 24 cattle; improved four-class Macro-F1 from 0.647 to 0.94.

Bachelor of Science: Electrical & Electronics Engineering | Marmara University

Sep 2015 - Jul 2021

- Final Project I: Designed a microstrip antenna for 5G applications. Final Project II: Designed and developed Hastanem Yanımda for iOS and Android.

LANGUAGES

English: C1 • Turkish: Native

PUBLICATIONS

Temporal and Autoregressive Features for Cattle Behavior Classification Using Low-Power LoRaWAN Accelerometer Data, Sensors - Uysal, O., Bakır, M. E., Perea, A. R., Tümen, V., Utsumi, S. A. (2026)

Cattle Behavior Classification in Precision Livestock Farming: A Structured Review, ICADA - Onur Uysal, Vedat Tümen (2026)