# OĞUZHAN URAL

## Senior Software Engineer

Türkiye | oguzhnural@gmail.com | Open to relocation
linkedin.com/in/oguzhanural | github.com/oguzhanural | oguzhanural.com | medium.com/@oguzhanural

## PROFESSIONAL SUMMARY

Software engineer building web and mobile products since 2017 across education, e-commerce, advertising, services, and construction. Owns delivery across the full stack, from product discovery, system architecture, API and database design to security, testing, CI/CD, cloud deployment, and production operations. Combines hands-on engineering and technical leadership with close attention to detail and pragmatic, fast execution. Actively deepening expertise in distributed systems, scalability, and reliability through study and practical projects. Has used AI and LLM tools throughout the development lifecycle since 2022, with current agentic workflows built around Claude Code, Codex, and GitHub Copilot. Continuously evaluates new technologies against product needs and shares engineering work and ongoing learning at oguzhanural.com.

## PROFESSIONAL EXPERIENCE

### Co-Founder & Software Engineer | Kognitan

Remote | Dec 2025 - Sep 2026

#### Kognitan QR - Multi-Tenant Workforce Management SaaS

- Turned a customer request into a mobile-first, multi-tenant SaaS for QR attendance, field-duty tracking, leave management, attendance corrections, and payroll-ready timesheets, designed for broader market release.
- Architected a modular-monolith monorepo with NestJS, TypeScript, PostgreSQL, Drizzle ORM, REST/OpenAPI, Next.js, Flutter, and Cloudflare R2, with explicit tenant, role, permission, and auditability boundaries.
- Built authentication and authorization using Argon2id, JWT access tokens, tenant-scoped roles, shared permissions, transaction-safe tenant provisioning, and reusable access guards.
- Delivered permission-protected APIs with authenticated tenant derivation, strict pagination, deterministic ordering, safe database projections, and PostgreSQL-backed tests for tenant isolation.
- Established GitHub Actions CI/CD workflows with isolated test environments and automated lint, type, test, and build checks. Applied domain-driven design (DDD) and test-driven development (TDD), supported by structured code, security, and AI-assisted reviews.

#### Zümre - Education Operations Platform

- Conceived and led delivery of a centralized platform for an education organization operating across approximately two-thirds of Türkiye, supporting educational progress tracking and analysis for thousands of students.
- Unified teacher and administrator workflows for task tracking, curriculum and class management, attendance, student analysis, and photo-supported workshop reporting from geographically distributed instructors.
- Led a four-engineer team from client discovery and requirements through delivery, shipping the initial release in three months. Owned technical planning, reviews, releases, and customer communication.
- Developed the majority of a modular Node.js and Express REST API with Prisma and MySQL, including teacher/admin access control, IP-based login rate limiting, reporting periods, file workflows, and administrative dashboards.
- Prevented a pre-release data-integrity failure in student reordering, preserving attendance history through identity-based relationships and transactional updates.
- Owned deployment across Cloudflare Workers & Pages and Railway, resolved Next.js runtime compatibility issues, and directed adoption of Cloudflare R2 for durable storage with HEIC image support.

## EARLIER EXPERIENCE

### Freelance Software Developer

Self-Employed | Remote | Oct 2023 - Dec 2025

Delivered client and independent web products using TypeScript, Node.js, GraphQL, REST APIs, PostgreSQL, MongoDB, Docker, and CI/CD practices.

### Founder & Software Developer

Independent SaaS Venture | Jan 2021 - Oct 2023

Founded, built, launched, and sold a SaaS product, owning software engineering, delivery, project management, and customer-facing responsibilities.

### Backend Developer

Vulpis Yazılım | Oct 2019 - Jan 2021

Built and maintained server-side functionality for client projects and internal web applications using PHP, MySQL, JavaScript, and Git.

### Frontend Developer

Kodpit Teknoloji A.Ş. | Aug 2018 - Sep 2019

Developed React and JavaScript interfaces and collaborated with designers and backend engineers to deliver web applications.

## TECHNICAL SKILLS

**Languages:** TypeScript, JavaScript, Go, Java, SQL, PHP

**Backend & APIs:** Node.js, NestJS, Express.js, Spring Boot, REST, OpenAPI, GraphQL, Apollo Server

**Web & Mobile:** React, Next.js, Flutter, React Native, Expo

**Data:** PostgreSQL, MySQL, MongoDB, Redis, Prisma, Drizzle ORM, Firebase

**Cloud & Delivery:** AWS, Docker, Kubernetes, Terraform, GitHub Actions, CI/CD, Railway, Cloudflare Workers & Pages, Cloudflare R2

**Architecture & Quality:** API and database design, modular monoliths, Clean Architecture, DDD, TDD, Jest, unit and API end-to-end testing, role- and permission-based access control

**Current project focus:** Distributed systems; Amazon ECS, AWS Fargate, Lambda, SQS, and CloudWatch; OpenTelemetry, Prometheus, Grafana, Datadog, Svix, and Debezium; load testing, observability, incident response, and safe rollout practices

**AI-Assisted Engineering:** Claude Code, Codex, GitHub Copilot; agentic development workflows with Cursor, Windsurf, and Visual Studio Code

**Collaboration:** Git, GitHub, Linear, Slack, pull-request reviews, technical planning

## EDUCATION

### Computer Engineering

Pamukkale University | 2013 - 2018

## LANGUAGES

**Turkish:** Native | **English:** Upper-Intermediate (B2)