

# TUGRUL ERDEM DOGRU

Senior Frontend Developer · React · Next.js · TypeScript

+90 542 345 72 19 | tugrulerdemdogru@gmail.com | Ankara / Istanbul, Turkiye · Remote / Hybrid |  
github.com/ted2xmen | linkedin.com/in/tugrulerdemdogru

## PROFESSIONAL SUMMARY

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Senior Frontend Developer with 5+ years of production experience in React, Next.js, and TypeScript across fintech, B2B SaaS, and media platforms. Currently shipping production React Native/React products independently — 7 iOS apps in 6 months, plus live web projects (bookmarksfor.dev, startupselects.com). Owned 10+ frontend modules end-to-end on izzico/Paynet's banking portal, drove platform-wide decisions on forms, state management, and design systems, and cut initial page load by ~40% through code splitting, lazy loading, and bundle optimization. Architecture-minded and detail-driven: comfortable selecting tooling, defining reusable component patterns, building accessible high-performance UIs, and raising the engineering bar across a team.

## CORE TECHNOLOGIES

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**Languages:** TypeScript, JavaScript (ES6+), HTML5, CSS3, SCSS/SASS

**Frameworks:** React, Next.js (App Router), Vue.js, Micro-frontends, Component-Driven Development, Responsive Design

**State & Data:** Redux Toolkit (RTK), RTK Query, Zustand, TanStack Query, Context API, REST API integration

**UI & Design Systems:** Material UI, Ant Design, Tailwind CSS, Storybook, Design System Architecture, Accessibility (W3C)

**Data Visualization:** Recharts, D3.js, Chart.js, Plotly.js, real-time dashboards (WebSocket / SSE)

**Forms & Validation:** React Hook Form, Zod, Yup, complex multi-step form architecture

**Testing:** Vitest, React Testing Library, Cypress (E2E), Jest, unit / visual / E2E testing

**Performance:** Code Splitting, Lazy Loading, Bundle Analysis, Core Web Vitals, Lighthouse

**Tooling & DevOps:** Git, GitHub, GitLab, Sentry, Datadog, Vite, Webpack, Babel, Docker, Jira, Agile/Scrum

## WORK EXPERIENCE

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**Independent Product Engineer — Self-Employed (Indie iOS & Web Apps), Remote** Dec 2025 – Present

- Designed, built, and shipped 7 iOS apps to the App Store in 6 months on React Native/Expo + TypeScript — owning architecture, UI, backend (Supabase/Node), CI/CD (EAS), release, and post-launch iteration; 1,000+ users across the portfolio with paying RevenueCat subscribers.
- Built an end-to-end AI image-generation pipeline (Era Portrait: secure upload, encrypted storage, Replicate-hosted models, generation queue).
- Shipped and maintain production web projects in parallel: bookmarksfor.dev and startupselects.com (Next.js, TypeScript, Tailwind, SEO/Core Web Vitals-tuned).

**Stack:** TypeScript, React Native, Expo, React, Next.js, Supabase, Node.js, RevenueCat, Sentry, EAS CI/CD.

**Frontend Developer — izzico / Paynet Odeme Hizmetleri (Fintech), Istanbul** Dec 2023 – Jan 2026  
*PayPortal — B2B banking & payment operations platform used daily by banking-agent users.*

- Independently delivered 10+ critical frontend modules — card payment flows, closed-loop payment infrastructure, transaction management, advanced reporting dashboards — replacing legacy screens with TypeScript + React components.
- Reduced initial page load time by ~40% through route-based code splitting, lazy loading, and Webpack bundle analysis — a measurable UX improvement for daily-use banking workflows.
- Drove the platform-wide decision to standardize on React Hook Form and Material UI; built the reusable form and component layer and rolled it out as the team's default for all new feature work.
- Designed the React Hook Form + RTK Query integration pattern for multi-step payment workflows with conditional fields, async validation, and optimistic updates against the banking API.

- Established frontend code review and component reusability standards; documented patterns and built a shared component library to accelerate onboarding.
- Integrated Sentry for production error monitoring on payment-critical flows, reducing mean time to detection.

**Stack:** TypeScript, React, Material UI, React Hook Form, Redux Toolkit (RTK Query), REST APIs, Sentry, Vitest, Cypress.

**Frontend Developer — Kartega Yazilim ve Danismanlik A.S., Istanbul** Nov 2022 – Dec 2023

*BEK Marketplace (B2B pharmaceutical platform) and beIN Sports Connect Smart TV (APAC streaming).*

- Owned end-to-end frontend for two core BEK modules: a demand-collection module digitizing pharmaceutical ordering with complex multi-step forms, and a group-ordering module enabling bulk purchases and price negotiation across 100+ cooperative members.
- Built responsive Smart TV UI with cross-browser compatibility for WebOS, Tizen, and Android TV; architected the SCSS/SASS styling layer from scratch into a scalable design system and optimized remote-control navigation UX.
- Implemented the RTK Query data layer and Ant Design component patterns shared across the marketplace; mentored junior developers on component composition and state-management best practices.

**Stack:** Next.js, TypeScript, Redux Toolkit Query, Ant Design, SCSS/SASS, REST APIs.

**Web Developer — Freelance, Remote**

Sep 2020 – Nov 2022

- Delivered responsive web applications, marketing landing pages, and WordPress sites for early-stage startups and SMBs.
- Translated Figma designs into pixel-perfect React and HTML/CSS implementations with REST API integrations and cross-browser support.

## **SIDE PROJECTS (SELECTED)**

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- [bookmarksfor.dev](#) — curated developer bookmark/resource directory; Next.js, TypeScript, Tailwind, SEO-optimized, statically generated, Core Web Vitals-tuned.
- [startupselects.com](#) — resource directory for early-stage startup teams; Next.js + TypeScript.
- [Arastirman](#) — academic search platform across global research repositories; React, Supabase, Prisma.
- Indie iOS apps — 7 published App Store apps (Era Portrait AI, Pantheon, Panly, Opus, Hidden Arts, Subway Sudoku, Slow Coffee Tycoon); React Native/Expo + TypeScript, end-to-end product ownership.

## **LANGUAGES**

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Turkish (Native) · English (Professional working proficiency)