

Berkay Gülşen

Senior Frontend Engineer & Team Lead

React, React Native, Next.js, TypeScript · Fintech, trading, mobile

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SUMMARY

Senior Frontend Engineer and Team Lead with 8+ years in React and React Native, mostly in fintech and trading. I co-built a multi-tenant React SDK that 30+ exchanges and brokerages ran in production, and I led the frontend team of a crypto exchange on web and mobile.

I can own a frontend from architecture to release, including component systems, state management, real-time data and performance. I've also written production backends in Go, Node.js and C#, so API discussions with backend engineers stay short. Open to Frontend Team Lead and Senior Frontend roles, remote or in Istanbul.

EXPERIENCE

Independent Product Engineer (React Native, Go) · Self-employed Istanbul (remote) · Jun 2026 – Present

- Building and launching my own mobile products end to end: product design, React Native (Expo) apps, Go APIs, store release.
- Rider OS and Hocam! built solo, Lilla with a partner. All three launching October 2026 (see Selected Projects).

Frontend Team Lead · Crybo Istanbul (hybrid) · Mar 2025 – Jun 2026

- Led the frontend team (2 developers) building a crypto exchange for web and mobile with React, React Native, Next.js and Redux.
- Delivered real-time trading screens, KYC onboarding and the complete user flow. The platform passed internal testing and executed trades end to end.
- Worked daily with the backend developers on API design and integration across web and mobile.
- The company wound down before public launch.

Technical Lead · Fluxivo Feb 2024 – Mar 2025

Part-time Feb 2024 – Jul 2024 alongside Optimus Yazılım, full-time Aug 2024 – Mar 2025.

- As the company's only engineer, built the whole health-tech product from scratch.
- Backend in Go and Node.js with PostgreSQL and Prisma, handling real-time telemetry from IoT devices such as spirometers and smartwatches.
- Web app in React and mobile app in React Native, synced in real time through Firebase.
- Infrastructure on AWS EC2, plus an AI health assistant running Python models on AWS SageMaker.

Senior Software Engineer · Optimus Yazılım Mar 2024 – Aug 2024

- Co-built a multi-tenant React + Redux SDK that 30+ exchanges and brokerages ran in production, covering both UI and infrastructure: one codebase, each firm with its own branding, themes and business rules.
- Built backend services in C# (.NET Core) and Go that process concurrent financial transactions and market data.

Software Engineer · Multytude London (remote) · Dec 2022 – Mar 2024

- Built web and mobile interfaces in React and React Native for a survey and content platform that generates surveys with generative AI, using Apollo GraphQL.
- Wrote Go background workers that process large volumes of survey responses.
- Connected the frontend to the backend AI pipelines.

Software Engineer · Optimus Yazılım

Dec 2021 – Nov 2022

- Built web and mobile screens and reusable UI components for portfolio management apps used by investment firms (React, Umi.js, Redux).
- Wrote server-side business logic in C# and MS SQL Server under fintech security requirements.

Software Engineer · Finartz

Aug 2021 – Dec 2021

- Full-stack work on an e-wallet for large e-commerce platforms (C#/.NET payment APIs, Vue.js UI), and built 4 React landing apps for different corporate branches on tight deadlines.

React Developer · Piksel Mutfak

Apr 2021 – Aug 2021

- Built pixel-perfect pages for neredekal.com, a hotel and travel affiliate site, in an Agile team, where we implemented server-side rendering with Next.js for SEO.

Frontend Developer · ASNAK Logistics Technologies

Feb 2020 – Apr 2021

- Built a logistics management and auction platform in React and Redux, with real-time updates over sockets, in a small startup team.

Frontend Web Developer · Freelance

Jan 2018 – Feb 2020

SELECTED PROJECTS

Rider OS · Built solo

Launching October 2026

React Native (Expo), Go · rideros.com.tr

- An app for motorcycle riders: group rides, SOS, and garage and maintenance tracking.

Hocam! · Built solo

Launching October 2026

Expo, TypeScript

- A swipe-based teacher simulator game: get a primary school teacher through a 36-week school year, balancing students, parents, administration and your own energy. Deterministic, tested game engine.

Lilla · Building with a partner

Launching October 2026

React Native (Expo), Go, Next.js · lilla.com.tr

- An at-home beauty services platform: customer and specialist apps, Go API, admin panel, and safety flows for specialists visiting homes (door PIN, panic button, expiring location links).

SKILLS

Frontend: React, React Native, Next.js, TypeScript, JavaScript, Redux, Expo, Apollo GraphQL, server-side rendering, WebSockets

Architecture and leadership: frontend architecture, team leadership, design systems, white-label and multi-tenant apps, real-time trading UIs, performance optimization, mobile application development

Backend: Go, Node.js, C# / .NET Core, PostgreSQL, Prisma, MS SQL Server

Cloud and tools: AWS (EC2, SageMaker), Firebase, Docker, AI-assisted development, prompt engineering

SPEAKING

Build with AI: Web Development Bootcamp · TurkStudentCo

Online · 22 May 2026

- Taught coding with AI: environment setup, coding with prompt techniques, and web hosting.