

Aleksander Korovkin

Senior React Native & React Engineer | Full- or part-time contract, US–EU time zones

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Open to full-time or part-time contracts · B2B invoice (Georgian IE) · US–EU time zones

SUMMARY

Senior React Native & React engineer, building mobile apps since 2016. I ship the web and backend side when the product needs it. I also build type-safe developer tooling — osury, the OpenAPI codegen that generates every API type at Nyle.

SKILLS

Mobile: React Native, Expo, Reanimated, New Architecture migration, Fastlane, CodePush, TestFlight, EAS, Google Play, Mobile CI/CD & Delivery

Frontend: TypeScript, React, Next.js, Redux, RTK Query, Storybook, Tailwind CSS, JavaScript, Radix UI, Recharts, PixiJS, Vite, Mobx, Electron

Backend & APIs: Node.js, GraphQL, Apollo, Relay, PostgreSQL, Django, Python, MySQL, MongoDB, SQL

DevOps & Observability: Docker, GitHub Actions, OpenTelemetry, Turborepo, GitLab CI, Grafana, Nginx, Linux

Advanced / type-level: ReScript, Effect TS, FP-TS, OCaml, Clojure, Finite State Machines, OpenAPI codegen

EXPERIENCE

AI-Native Frontend Architect — Nyle

California, USA | Nov 2025 – Present

Nyle - Strategic Growth Platform for Disruptive eCommerce Brands

- **Architecture & Migration.** Designed the layered architecture Components -> Hooks -> RTK Query -> Effect Services -> ReScript Core and moved the product onto it while feature work continued. Retired the legacy stack (axios, react-query, zustand, zod) in favour of typed Effect services.
- **Monorepo.** Restructured a 5-year-old SPA into a pnpm + Turborepo monorepo: product app, GraphQL BFF, landing, a product demo, Storybook, and shared core / ui / kit packages.
- **Domain Core in ReScript.** Moved business logic into a pure ReScript core (130+ modules, 10 FSMs) covering session, app filters, canvas, tables, chat, supply chain and what-if scenarios. Illegal states are unrepresentable thanks to discriminated unions and opaque, interned domain types.
- **Schema-First Data.** Built an OpenAPI -> ReScript codegen pipeline with Sury decoders, so backend types are generated, never hand-written. A classified patch layer covers schema defects. Errors stay typed end to end (no throwing boundaries).
- **Design System.** Created @nyle/ui, a self-contained design system on Radix + Tailwind: about 70 components and 340+ Storybook stories, with every variant covered. It replaces antd page by page.
- **Product Features.** Shipped the customizable analytics canvas, the P&L and Market Intelligence tables and charts, the products catalogue (v3 API), the supply-chain scheduler, RBAC / organizations, OAuth integrations (Amazon, Google Ads, Meta, Shopify) and an AI chat assistant over WebSocket.
- **Observability & Performance.** Added OpenTelemetry tracing (Collector, Tempo, Grafana) as an Effect service. Used production traces to find the root causes of slow pages.
- **Engineering Process.** Wrote 49 ADRs and kept ARCHITECTURE.md as the single source of truth. Turned code-review findings into 20 machine-readable rules and per-package guides, so AI coding agents work within the architecture's boundaries.

Senior React Native Developer — Mercury Development, LLC

Miami, FL | Oct 2024 – Oct 2025

Leading software development agency, with over 50M active users.

- **Core Development & Accessibility.** Led the development of an innovative React Native application, ensuring full compliance with accessibility standards to provide a seamless experience for users with disabilities across pre-cruise planning, in-cruise services, and excursion management.
- **Architectural Migration.** Spearheaded the transition of a mature, large-scale mobile application from legacy data-fetching patterns to a modern **GraphQL (Relay)** architecture.
- **Backend Collaboration.** Acted as a bridge between mobile and backend teams to negotiate API contracts, design schemas, and ensure seamless feature alignment.
- **Infrastructure & DevOps.** Established a robust development environment by configuring **automated code generation** and optimizing **CI/CD pipelines** specifically for React Native.
- **Technical Leadership.** Integrated the Relay client into the core infrastructure and mentored the team on GraphQL best practices and efficient state management.
- **New Architecture.** Migrated the app to the React Native New Architecture.

Lead React Native Developer — TSS Paratransit

Los Angeles, California | Jan 2023 – Oct 2024

We're changing the world of paratransit service - for transit agencies, paratransit providers, and their customers.

- Cross-Platform Mobile Application Development using React Native for Ride Booking Platform Tailored for People with Disabilities
- Led the development of a cross-platform mobile application using React Native, specifically designed to cater to the unique needs of people with disabilities.
- Architected and implemented the business logic using ReScript, leveraging pure functions and nested finite state machines to ensure robust and maintainable code. The logic was compiled into a TypeScript library, allowing the UI team to work seamlessly without requiring specialized knowledge of ReScript.
- Developed a monorepo architecture from scratch, ensuring scalability, maintainability, and alignment with business requirements.
- Configured and managed a dedicated macOS server for building and deploying the application to both the App Store and Google Play Store, ensuring a smooth and efficient release process.
- Automated the build and deployment process using Fastlane, establishing a reliable CI/CD pipeline that streamlined development and reduced time-to-market.

Company Team Lead — Distillery

Los Angeles County, California | Oct 2020 – Dec 2022

Premier nearshore software development accelerating velocity with elite AI-powered engineers and agile experts.

- Evaluate quotas and conduct interviews. I am in charge of team coordination and communication with the client. I take part in distributing tasks and making technical specifications for specialists. Also, I am directly involved in developing application architecture and completing tasks.
- I'm working with a client from the USA (B2B CRM California) for 3 years. We successfully delivered and maintained 2 cross-platform mobile applications.
- Technical stack:
- React Native / GraphQL

Senior React Native Developer — Distillery

Los Angeles, CA | Jul 2019 – Sep 2020

Premier nearshore software development accelerating velocity with elite AI-powered engineers and agile experts.

- Optimized the performance of the client's React Native apps.
- Designed reusable, generic chart and data modules built on FP-TS.

- Owned releases and the CI/CD pipeline.

Frontend Developer — GMCS

Tula, Russia | Jan 2019 – Jun 2019

IT development company

- Creating an interface for an internal project of a company partner. React / Typescript / Mobx. Frontend development from scratch

Frontend React Developer — Storiqa Marketplace DBA Storiqa Global Trades Inc.

Moscow, Russia | Jan 2018 – Dec 2018

- Responsibilities:
- MVP Mobile application development (marketplace, web3, React Native)
- Development of a web application (marketplace, React)

Frontend React Developer — Kaspersky

Moscow, Russia | Sep 2017 – Dec 2017

- Develop an interface for a corporate product using Electron (JavaScript)

React Native Developer — Architech NYC

New Jersey, United States | Aug 2016 – Sep 2017

- Development of a service for standardisation and automation of the documentation of educational processes in US educational institutions. Frontend development for a financial mobile application in React Native. Development of a mobile application for a US logistics company using React Native + Mobx + TypeScript.

CTO — Forward 70

Tomsk, Russia | Mar 2013 – May 2016

- As an individual entrepreneur, I was working with clients, requirements, the development team, and coding. During these 3 years, we created more than 30 sites and five marketplaces. We built our CRM system and one iOS application. Our company also provided SEO services for various clients.

LANGUAGES

English (C1, professional working); Russian (Native)