

PAVEL PIATROVICH

Frontend Engineer | React / React Native Developer

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Portfolio: am-sigma-nine.vercel.app



PROFESSIONAL SUMMARY

Frontend Engineer with 6+ years of commercial experience building scalable web and mobile applications with React, React Native, and TypeScript. Strong background in component-driven development, modern state management (Redux / Redux Toolkit, MobX, Zustand), and reusable UI systems with Storybook. Experience as SDET with Playwright. Some background in Node.js / Express.js with interest in expanding into backend (NestJS, GraphQL). I feel confident in cross-functional Agile teams developing features end to end.

EXPERIENCE

Software Developer - React / React Native

Jun 2021 - Present

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Warsaw, Poland

Developed applications of varying complexity using React and React Native across multiple client projects.

Worked as an SDET with a focus on automated testing using Playwright.

- Build and maintain scalable web and mobile apps with React, React Native (Expo SDK), and TypeScript; reusable, well-typed components following a component-driven approach.
- Collaborate with cross-functional distributed teams (backend, design, QA, PM); participate in code reviews, Agile ceremonies, frontend estimation, and asynchronous communication workflows using modern collaboration tools.
- Proposed and introduced code review guidelines and best practices, contributing to team-wide process improvements.
- Work as SDET: design and maintain automated end-to-end testing infrastructure with Playwright, improving regression coverage and release confidence.

Horse Racing Betting App - Cross-Platform (React Native)

- Drove architectural decisions and built a React Native application from scratch; independently designed and implemented a scalable UI Kit supporting white-label configurations and dark/light themes with a focus on maintainability, reusability, and performance optimization.
- Applied Component-Driven Development using Storybook to develop and maintain reusable components; collaborated on cross-platform delivery (iOS, Android, Web via Expo).
- Contributed to performance optimization and test coverage (unit), ensuring maintainable and reliable codebase.

Betting Services Admin Panel - Web (React)

- Contributed to the development and maintenance of a web-based admin panel for managing betting services.
- Implemented new features, resolved issues, and adapted existing components for an upcoming UI redesign.
- Collaborated closely with backend and QA teams in an Agile workflow.

Horse Racing Betting App - Cordova (iOS) & Web (React) | SDET

- Maintained and extended React-based components for a cross-platform betting app (iOS via Cordova and Web), ensuring stability and consistency across platforms.
- Integrated and configured Cordova plugins, working with platform-specific (iOS) capabilities and resolving related issues.
- Developed and maintained end-to-end test automation using Playwright, increasing regression coverage and reliability of key user flows.

Insurance Agent Portal - Web (React, Micro Frontends)

- Developed React components and feature modules within a micro-frontend architecture.
- Improved codebase stability and maintainability through unit and integration testing.

- Integrated REST APIs and managed application state with Redux.

Transport & Logistics App - React Native

- Built UI components for two React Native applications targeting managers and drivers in the transportation sector.
- Improved application stability by resolving defects and supporting consistent release quality across both apps.

Frontend Developer - React

Apr 2020 - Dec 2021

Freelance / Self-Initiated

Remote

Contributed to a React app utilizing the Google Maps API, collaborating with backend developers, designers, and stakeholders. Also built a static website with Next.js as a sub-project.

- Cooperated closely with backend developers to define API contracts and integrate REST endpoints.
- Worked independently on feature delivery, API integration, and responsive UI implementation across web projects.

Frontend Developer

Sep 2019 - Jun 2021

IterTech Innovations

Minsk, Belarus

ERP solution for a large enterprise client; participated in migration from class-based components to modern React architecture with hooks and functional components. Contributed to a Next.js sub-project alongside the main product.

- Built reusable UI components and maintained Storybook-based UI systems.
- Wrote unit tests with Jest and Enzyme to keep the codebase stable and regression-free.
- Worked on application performance and scalability, including bundle size reduction, rendering optimization, and asset optimization.

PERSONAL INITIATIVES

AI-Powered Mock Interview App (iOS, Android, Web) - In Progress

- Full-stack AI interview-training app (Expo/React Native + Fastify), 3 orchestrated LLM agents
- Real-time token streaming over WebSocket for live interview conversations; adding voice input (speech-to-text) and voice output (text-to-speech) for a hands-free mode using Web/Native APIs
- Type-safe shared contract (TypeScript + Zod) across REST/WS
- CI/CD (GitHub Actions), EAS cloud builds, Storybook component workflow

Stack: TypeScript, React Native, Expo, Fastify, PostgreSQL, WebSockets, AI APIs, Zod, Zustand, TanStack Query, Turborepo, GitHub Actions, Clerk (Auth SDK), Stripe, RevenueCat

SKILLS

Languages: JavaScript (ES5, ES6+), TypeScript, HTML/HTML5, CSS/CSS3

Frameworks & Libraries: React, React Native (Expo SDK), Next.js (SSR/SSG/ISR), Node.js, Apache Cordova

State Management: Redux, Redux Toolkit, MobX, Zustand

Data Fetching & Realtime: Fetch API (native), TanStack React Query, Apollo GraphQL, WebSockets

Forms & Validation: Formik/React Hook Form, Zod

UI & Styling: Material UI, Fluent UI, Tailwind CSS, SCSS, CSS Modules, Styled-Components

Testing: Jest, React Testing Library, Playwright, Vitest

Build & Tooling: Webpack, Babel, ESLint, Prettier, Vite, Storybook, Monorepo (Turborepo, Nx), Docker, Firebase, Postman, Swagger, CI/CD (GitHub, CircleCI, Bitbucket), cloud platforms (GCP), Git

AI Dev Tools: Claude Code, GitHub Copilot, Codex

Practices: Component-Driven Development, Feature-Sliced Design, MVVM, MVC, Design Patterns, Performance Optimization, Micro-frontends, Responsive Design, KISS, DRY, TypeScript-first, Agile/Scrum

EDUCATION

CERTIFICATIONS

- React / Angular / TypeScript / JavaScript - IT Academy, Minsk (2018–2019)

LANGUAGES

Russian: Native English: B2