

Oleksandr Maksymenko

Full-Stack Engineer (React / Next.js / Node.js)

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PROFESSIONAL SUMMARY

Software engineer with 5+ years of commercial frontend experience in React, Next.js and TypeScript, and 3 years of hands-on backend work with Node.js, Prisma and PostgreSQL. At SpaceWhale I made the key frontend technical decisions on an R&D trading platform, built a BFF layer on our Node.js server backed by Redis, and prepared Docker and CI pipelines for 6 microfrontends. In my own product, Restock, a multi-tenant SaaS in production with real users, I built the REST API, the database schema and the integrations.

TECHNICAL SKILLS

Backend: Node.js, Next.js API routes, REST API, WebSocket, SSE, BFF layer, Prisma, PostgreSQL, row-level locking, Redis

Frontend: React, Next.js, SSR, TypeScript, JavaScript, Redux Toolkit, Zustand, HTML, CSS, SCSS, Styled Components, Emotion, MUI

Architecture: Microfrontends, design systems, component libraries, CLI tooling

Testing and code quality: Jest, React Testing Library, Playwright, ESLint, Prettier, unit testing, integration testing, end-to-end testing

DevOps and tools: Docker, CI, Azure DevOps, GitHub Actions, Git, Storybook, Vite, Vercel, Neon

Practices: Agile (Scrum), code review, debugging and root cause analysis, performance optimization, technical documentation

Learning: NestJS microservices

PROFESSIONAL EXPERIENCE

Frontend Engineer (Full-Stack), SpaceWhale, Kyiv

Apr 2022 - Apr 2026

- Built the React and TypeScript trading interface for an R&D platform that started without formal specifications: live price feeds, order flows and financial calculations for 200+ symbol pairs, with state in Redux Toolkit and the UI in MUI and SCSS.
- Found that every WebSocket message re-rendered the UI, even for inactive symbols, and removed these extra re-renders, so the UI stayed responsive at up to 100 messages per second.
- Replaced a paid charting library with TradingView, saving about \$3,600 per year in license costs.
- Built a BFF layer on our Node.js server that pulled messages from a third party communication service, stored them in Redis and served them to the client, which kept credentials on the server and reduced direct load on the provider.
- Delivered CRM and admin workflows for internal teams: user management, balances, credit logic, rewards and analytics dashboards.
- Prepared Dockerfiles and CI pipelines in Azure DevOps for 6 microfrontends, with 2 to 5 minute builds.
- Expanded and maintained 500+ unit, integration and end-to-end tests with Jest, React Testing Library and Playwright, reaching about 65% coverage, with tests running on every pull request and code checked by ESLint and Prettier.
- Built a design system of 50 components used by 5 frontend teams working in two week Scrum sprints, documented in Storybook.
- Created a CLI generator that scaffolds a new microservice from scratch, cutting setup from about 5 hours to 5 minutes.

Frontend Developer, Kyivstar, Kyiv

Jun 2020 - Feb 2022

- Helped move kyivstar.ua, the largest telecom website in Ukraine, from a React SPA to Next.js with server-side rendering (SSR), which improved search indexing and page performance, and shaped the project structure and core abstractions.
- Introduced Strapi CMS for key website sections, so content editors update customer-facing pages without developer involvement.
- Built a 40-component SCSS design system for the website and mentored 2 developers through code reviews and onboarding.

PROJECTS

Restock, multi-tenant warehouse SaaS | maksymenko.dev | 2024 - Present

Next.js (App Router and API routes), TypeScript, Prisma, PostgreSQL, Zustand, Styled Components, Vercel, Neon

- Built the full stack myself for e-commerce sellers, in production with real users: 50+ Prisma models on PostgreSQL, a REST API on Next.js API routes, per-tenant plans and role-based access control.
- Fixed inventory drift caused by concurrent webhooks writing at the same time, using row-level locking in PostgreSQL.
- Integrated Telegram, Instagram, Viber, Nova Poshta and 12 marketplaces into one admin interface, with real-time updates over SSE.

@crm/apperture, component library | github.com/oleksandrmaksymenko/crm_apperture

- Published a React and TypeScript library on Vite and Emotion to npm, with Storybook docs and GitHub Actions releases.

EDUCATION

Bachelor's Degree in Sociology | International Solomon University

LANGUAGES

Ukrainian: Native | English: B2 (technical communication)