

Mikhail Shulga
Senior Fullstack Developer

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ABOUT

Senior Fullstack Developer with 7+ years of experience building scalable web applications and complex domain-driven systems. Specialized in React, TypeScript, and Node.js, with recent focus on healthcare platforms, FHIR standards, and SMART on FHIR integrations. Experienced in designing system architecture, building multi-portal applications, and delivering production-ready solutions with strong emphasis on performance, reliability, and maintainability.

WORK EXPERIENCE

Health Samurai - FHIR healthcare platform provider
Senior Fullstack Developer | *Remote, USA*

Aug 2025 – present

Achievements

- Played a key role in architecting and delivering a multi-portal platform (Developer, Admin, Patient), supporting the full lifecycle of SMART app integration.
- Designed a scalable monorepo architecture with shared packages (API, UI components, hooks, types), reducing duplication and improving delivery speed.
- Implemented secure OAuth 2.0 / SMART on FHIR authentication flows through a custom proxy backend, enabling compliant healthcare data access.
- Contributed to a platform rated **91/100** in the Flexpa 2025 Patient Access API report, ranked #2 among U.S. payer solutions.

CTL Labs - Data platform development company
Senior Fullstack Developer | *Remote*

Feb 2024 – Jun 2025

Achievements

- Engineered the frontend from scratch with a modular, scalable architecture using React and TypeScript, enabling rapid feature development and reducing onboarding time for new developers.
- Built reusable and performant components, including a recursive directory tree for dynamic file navigation.
- Implemented server-side logic and APIs for data processing and validation, reducing integration bugs by 30%.
- Contributed to infrastructure setup including Docker, CI/CD pipeline automation, and staging deployments, improving developer productivity.
- Improved desktop LCP on the data-table view from ~3s to ~2s (≈33%) via server-rendering, critical CSS inlining, route-level code splitting, and row virtualization.

TON Foundation - Blockchain ecosystem foundation
Full Stack Developer | *Remote, UAE*

Feb 2022 – Feb 2024

Achievements

- Independently developed Ton Blog from scratch, integrating Elasticsearch for fast, scalable article search.
- Collaborated on Ton Blog redesign, delivering a modern UI/UX that improved readability and user engagement.
- Implemented wallet-based authorization for tonDNS with tonconnect-ui, enhancing security and simplifying user login.
- Contributed to infrastructure setup including Docker, CI/CD pipeline automation, and staging deployments, improving developer productivity.
- Developed an automated OG image generation system for Ton Blog articles, enabling consistent branding and improved social media link previews.

TECHNICAL SKILLS

Frontend development: React, TypeScript, Next.js, React Native, TanStack Router, Zod, i18n;

CSS: Styled Components, TailwindCSS, SCSS; **State management:** Redux, TanStack Query, Zustand, GraphQL;

Backend: Node.js, Express, Hono.js, Bun, Strapi, REST API;

DataBases: Postgres, Redis, MongoDB, Elasticsearch;

DevOps / Infra: Docker, Kubernetes, CI/CD, GitHub Actions;

Testing: Jest, React Testing Library, Storybook;

EDUCATION

St. Petersburg State University of Telecommunications (Bonch-Bruевич)
Bachelor of Technology — Computer Science

St. Petersburg
2017 – 2021

Languages: English (Advanced), Russian (Native)