
MARK ALEX

Senior Frontend Developer | React & React Native

📍 Tallinn, Estonia | ☎ +372 712 0729 | ✉ mark.alex71916@gmail.com | 🔗 www.linkedin.com/in/mark-alex0719/

SUMMARY

Senior frontend engineer with 8+ years of experience building scalable and performant web/mobile apps using React, Next.js, TypeScript, and Node.js. I've led frontend architecture for complex platforms, mentored developers, and helped teams ship faster while keeping high standards for code quality, design systems, and user experience. I'm hands-on with everything from real-time systems and cloud deployments to cross-functional product collaboration and DevOps.

TECHNICAL SKILLS

Programming Languages

- JavaScript (ES6+), TypeScript
- HTML5, CSS3, SCSS
- SQL, NoSQL (MongoDB, PostgreSQL)

Frontend Frameworks & Libraries

- React.js (v16–18)
- Next.js (up to v14, App Router & Pages Router)
- React Native (Expo + Bare workflows)
- Redux, Redux Toolkit, Zustand, Recoil, MobX
- Context API, React Query, RTK Query
- Styled Components, Tailwind CSS, Material UI, Chakra UI, Ant Design
- React Navigation, Reanimated

Backend & API Technologies

- Node.js
- Express.js
- NestJS
- RESTful API design & implementation
- GraphQL
- Apollo Client & Server
- WebSockets
- JWT, OAuth2
- Firebase Functions

Cloud Platforms & DevOps

- AWS (Lambda, S3, CloudFront, RDS, API Gateway)
- Firebase (Firestore, Realtime DB, Hosting, Messaging)
- Azure (Functions, Cosmos DB, Front Door)
- Vercel
- Render
- Docker, Kubernetes
- CI/CD with GitHub Actions, Jenkins, GitLab CI
- Fastlane (mobile deployment), Expo EAS

Testing & QA

- Jest
- React Testing Library
- Cypress
- Playwright
- Mocha, Enzyme
- Unit, Integration, and End-to-End Testing
- Test Automation in CI

Tools & Ecosystem

- Git, GitHub, GitLab, Bitbucket
- Webpack, Vite
- Storybook (for design systems)
- Figma, Zeplin (for UI handoff)
- Jira, Confluence

Mobile & Device Integrations

- HealthKit (iOS), Google Fit (Android)
 - Siri, Google Assistant integration
 - Push Notifications (Firebase Cloud Messaging)
 - Real-time GPS & Location Tracking
 - Offline-first Architecture with Sync
-

PROFESSIONAL EXPERIENCE

Senior React Developer

SENLA - London, UK

Sep 2022 – Present

- Rebuilt the frontend architecture of a large-scale financial trading platform by migrating from a monolithic app to a micro-frontend model using React, Next.js, and Webpack Module Federation, enabling teams to work in parallel and deploy independently.
- Created a high-performance dashboard UI that streams live trading data using GraphQL subscriptions and WebSockets, designing Apollo caching strategies to minimize network load and re-renders while keeping UI synced in real time.
- Built a company-wide UI component system using Tailwind CSS and Storybook, resulting in faster development cycles and unified design language across product teams.
- Integrated OAuth2 and JWT-based authentication with dynamic role-based access controls at the UI level, ensuring secure handling of sensitive financial data and compliance with internal security standards.
- Partnered with backend engineers to reduce system latency by optimizing frontend API usage patterns and contributing to Redis-based caching strategies.
- Optimized application performance by combining server-side rendering (SSR), lazy loading, dynamic imports, and memoization, cutting initial page load time.
- Developed GitHub Actions CI/CD pipelines with Dockerized environments and test preview workflows, improving deployment reliability and catching regressions before production.
- Collaborated with designers and product managers during sprint planning to ensure seamless UX delivery, converting Figma specs into pixel-perfect components with responsive behavior.
- Mentored junior and mid-level developers through regular PR reviews, pair programming, and architecture walkthroughs, fostering team-wide skill growth and alignment.
- Participated in cross-functional design sessions and retrospectives, providing frontend input on product scope, performance trade-offs, and system architecture.

Skills Used: React 18, Next.js 14, TypeScript, Redux, GraphQL (Apollo), WebSockets, Tailwind CSS, Storybook, OAuth2, JWT, Docker, GitHub Actions, Jenkins, Micro-frontend Architecture

Full Stack Developer

Ronas IT - Tallinn, Estonia

Dec 2020 – Sep 2022

- Designed and built a real-time betting web platform for football events using React and Node.js, integrating live match feeds and odds via Betfair API, enabling thousands of users to place dynamic bets during live matches.
- Developed interactive betting components and market view UIs using Redux and Context API to handle deeply nested state updates and maintain fluid user experience.

- Created secure backend services in Node.js and Express for user authentication, bet processing, and live score updates, ensuring low-latency performance and safe data handling.
- Implemented JWT- and OAuth2-based login systems, route protection, and user sessions across frontend and backend, giving each user a personalized and secure experience.
- Containerized all services using Docker and managed them in Kubernetes clusters, enabling elastic scaling and zero-downtime deployments during global sporting events.
- Automated infrastructure setup and deployment pipelines, integrating CI/CD with Playwright and Cypress testing for high-risk financial transaction flows.
- Worked alongside designers and analysts to iterate on UI/UX in weekly sprints, refining how betting options and payouts were presented based on live customer behavior.
- Added responsive mobile-first design using Tailwind CSS and custom breakpoints, ensuring smooth experiences across devices for a user base that was over 60% mobile.
- Contributed to backend logging, error tracking, and monitoring tools like Sentry and Prometheus to ensure observability of key services and faster debugging.

Skills Used: React, Redux, Node.js, Express, WebSockets, MongoDB, Betfair API, Docker, Kubernetes, OAuth2, JWT, Cypress, Playwright, Sentry

Frontend Developer - React Native / Mobile

BILLA AG - Wiener Neudorf

Jan 2018 – Nov 2020

- Developed and delivered over 10 production-grade mobile apps using React Native, Firebase, and TypeScript, enabling B2C logistics and fitness platforms to reach users on both iOS and Android.
- Implemented gesture-based navigation, custom animations, and fluid screen transitions using React Navigation and Reanimated to elevate UX and performance on mid-range devices.
- Integrated Firebase Realtime Database, Firestore, and Cloud Messaging to build real-time features like live location tracking, instant alerts, and ride status updates.
- Connected with Apple HealthKit and Google Fit APIs to collect and visualize fitness data in health-oriented apps, offering users personalized stats and daily goal tracking.
- Created Firebase Cloud Functions to trigger logic like daily summaries, location updates, and push campaigns, keeping app logic modular and event-driven.
- Configured CI/CD for mobile releases using Fastlane and Expo EAS, enabling OTA updates and automated builds with multi-environment support.
- Delivered offline-first experiences with data caching and background sync, ensuring reliability for delivery drivers and users in low-connectivity regions.
- Collaborated with stakeholders and clients to gather feedback, prioritize features, and deliver rapid iterations based on customer reviews and analytics.
- Managed app store releases and updates for both iOS and Android, handling all the provisioning, build signing, and deployment tasks end-to-end.

Skills Used: React Native, TypeScript, Firebase, Cloud Functions, Cloud Messaging, HealthKit, Google Fit, Reanimated, Expo, Fastlane, CI/CD, Offline-first Architecture

Web Developer

Sep 2015 – Dec 2017

Talentbyte - Tallinn, Estonia

- Built mobile-responsive web interfaces for B2B clients using React and Redux, delivering business dashboards, ecommerce sites, and internal admin portals with clear, consistent UI.
- Created a reusable component library using Styled Components and Bootstrap, reducing frontend dev time across projects and supporting faster iterations.
- Integrated Stripe and PayPal into checkout workflows with PCI-compliant flows, secure tokenization, and webhook handling for real-time transaction updates.
- Implemented Next.js-based SSR pages for SEO-critical landing pages and content sites, reducing bounce rates and improving discoverability on search engines.
- Optimized frontend performance with lazy loading, dynamic route splitting, and CDN-backed image handling to improve Lighthouse scores and TTFB.
- Partnered with backend developers to shape API contracts and request flows, making frontend logic more predictable and maintainable.
- Wrote unit and integration tests using Jest and Mocha, and helped QA design Cypress flows for e2e coverage of checkout and profile management.
- Contributed to version control and team collaboration using Git, branching workflows, code reviews, and continuous integration processes.
- Participated in agile ceremonies including planning, daily stand-ups, demos, and retrospectives, helping the team continuously improve and deliver.

Skills Used: React.js, Redux, Next.js, Styled Components, Stripe, PayPal, REST APIs, Jest, Mocha, Cypress, Git, Agile

EDUCATION

Tallinn University of Technology

Bachelor's Degree in Computer Science

Sep 2011 – Jun 2015

CERTIFICATIONS & TRAINING

- AWS Certified Solutions Architect – Associate (2023)
- Google Mobile Web Specialist (2022)
- Certified React Developer – Meta (2020)
- Advanced JavaScript & ES6+ Certification (2016)

LANGUAGE

English (C2 – Proficient)