

Denis Mukhametov

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Skills

Languages: HTML, CSS, JavaScript, TypeScript

Frameworks: React, Next.js App Router, Electron, Koa.js

Libraries: Redux Toolkit, Emotion, StyleX, MUI, Base UI, Storybook, RTK Query, Vitest

Deployment and CI: Google Cloud Run, Vercel serverless functions, Docker, GitLab CI

Databases: Prisma, Fauna DB, Google Cloud Datastore

UI Design: Figma

Experience

Frontend Engineer, Luka Inc (Replika) – Remote

Jan 2024 – May 2024

As the sole frontend developer on the team, launched a Next.js web application in just 1.5 months. Key contributions:

- **Developed a real-time chat:** Allowed users to have multiple chats from multiple devices simultaneously using React Server Components, Server Actions, and API routes for optimal performance.
- **Created an accessible component library:** Using Base UI and StyleX, crafted tens of accessible reusable components to ensure consistent design and accelerate frontend development.
- **Integrated Google and Discord authentication:** Added sign in with third-party providers using OpenID Connect and integrated with the backend service for a seamless onboarding experience for more than 80% of the user base.
- **Engaged with community:** Supported hundreds of community members by providing technical assistance, feature updates, and status reports on Discord, resolving user issues and building a thriving community.

Senior Frontend Developer, SKB Kontur – Remote

Jun 2018 – Dec 2023

As a tech lead for the data science frontend team, oversaw and maintained our infrastructure while simultaneously delivering features for existing apps and contributing to the launch of more than 10 new services. Key contributions:

- **Engineered a TypeScript monorepo:** Leveraging Turborepo and GitLab CI, established a TypeScript monorepo, simplifying maintenance for 10 apps by shared code and unified build process, and configured automatic creation of environments on distinct subdomains by publishing a Git branch to test and preview multiple features concurrently.
- **Designed a domain-specific language (DSL):** For a crowdsourcing application, designed a DSL that allowed managers to define new tasks without developer intervention, which assessors solved more than 200000 times.
- **Created a no-code graph editor:** Designed a modern clean UI using Figma and contributed to the development of a no-code editor, enabling tech support to configure call and chatbot scenarios without developers.
- **Developed core libraries:** Streamlined development by engineering solutions for authentication, role-based access control, type-safe error handling, which reduced new application setup time from several days down to 4 hours.
- **Improved a transcript editing service:** Implemented waveform visualization using Canvas and the Web Audio API, along with an editing feature with autosave, significantly improving the user experience for over 2000 employees.
- **Built a C++ wrapper for client-side noise cancellation:** Using C++, Emscripten, and WebAssembly, built a custom C++ wrapper (based on open-source code) to run a noise cancellation model within the browser.
- **Addressed technical debt and modernized infrastructure:** Actively managed the technical debt backlog, and led the migration of 10 applications to a new hosting system and Vite, keeping the services performant and secure.

Projects

Cute bot

github.com/denexapp/cute-bot

Created a chat bot in TypeScript with Vercel cloud functions and NoSQL Fauna DB to moderate group chats.

Wallpaper Engine helper

github.com/denexapp/wallpaper-engine-helper

Made an Electron desktop app using MUI, Steam API, and VK API to streamline social media content creation.

Education

Ural Federal University – Computer Science and Mathematics

Sep 2015 – Feb 2018