Ota Prokopec

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Junior full-stack developer with considerable proficiency seeking opportunities to further hone skills and expertise. Capable of handling a wide array of tasks competently, with potential for significant contributions in various aspects of development.

Technology

Frontend

Svelte, Sveltekit, React, TanStack router, Next.js, Remix, Typescript, Urql, Apollo client, Tanstack query, Appwrite, Supabase, react-hook-form, Tailwind, Styled components Tanstack Router, next-intl, react-intl, Shadcn, HeroUI

Backend

Rest, GraphQL, tRPC, Nexus, Pothos, Express, Apollo GraphQL, Graphql yoga, NextAuth, BetterAuth, Drizzle ORM, Prisma, Typescript, Zod, TSUP, Translations

Education

High school
2020 - 2024

SPŠ Písek
- **Computer Networks:** Configuration of Cisco network elements, ISO/OSI model, TCP/IP, VLANs, and routing protocols.
- **Operating Systems:** Administration of Linux and Windows Server, virtualization, and shell scripting.
- **Hardware:** Low-level hardware, computer architecture, server components, troubleshooting, and maintenance of IT infrastructure.

University
2024 - present

Západočeská univerzita v Plzni
- **Web Technologies:** Frontend and backend development, responsive design, REST APIs, and modern web frameworks.
- **C# Language:** Object-oriented programming, .NET ecosystem, desktop and web application development.
- **C Language:** Low-level programming, memory management, pointers, and algorithm implementation.
- **Python Language:** Scripting, data analysis, automation, and backend development with popular libraries.

Experience

Full-stack developer
2021 - 2022

Erant

Designed and developed a web application used for tourism.
Initialized and managed frontend, backend security and database management.
- **Tech stack:** Node.js, Typescript, Svelte

Full-stack developer
2025 - present

Resonect

Developed an IoT cloud platform for water level sensors, including a local management system.
Took care of entire development, from UI for frontend, over custom backend verification to database management.
Designed and implemented automated CI/CD pipelines to streamline application releases.
- **Tech stack:** React-router, PostgreSQL, AdonisJS

Projects

Date app
2025

The connection pocket friend for introverts. The application follows a monorepo setup using Turborepo.
The frontend is powered by Next.js, while the backend utilizes GraphQL Yoga and Pothos for schema management. Database interactions are handled through Drizzle ORM, with PostgreSQL as the data storage solution. BetterAuth manages authentication, and Apollo Client is used to handle GraphQL queries and mutations. The entire codebase is written in TypeScript, ensuring robust type safety throughout. For UI styling, libraries such as Shadcn and HeroUI are incorporated. TSUP serves as the build tool for utilities within the application, and all forms rely on React Hook Form. Next Intl is responsible for managing translations, while Cloudinary is used for storing images, including profile pictures and other media content.
- **Frontend:** Next.js, Apollo client, Typescript, Tailwind, react-hook-form, Shadcn, HeroUI, next-intl
- **Backend:** GraphQL Yoga, Pothos, Typescript, Drizzle ORM, BetterAuth, TSUP, PostgreSQL, Cloudinary, Zod

https://github.com/Ota-Prokopec/date

My Pets
2024

MyPets is a TypeScript-based web app crafted to help people with finding their lost pet. It follows a monorepo architecture powered by Turborepo, cleanly splitting the codebase into frontend, backend, and utility packages. On the frontend, the app runs on SvelteKit, with Svelte-Urql handling GraphQL queries and mutations. The backend stack features Apollo GraphQL paired with Nexus for schema building. Data storage and authentication are managed by Appwrite, while media assets (like images) are hosted on Cloudinary. Interactive maps are rendered using Mapbox. For styling and UI components, the project takes advantage of multiple libraries: Shadcn, Flowbite, Tailwind UI, and DaisyUI, to deliver a flexible and modern user interface.
- **Frontend:** Sveltekit (SSR, CSR), Svelte Urql, Typescript, Tailwind, Mapbox (MapTiler, MapLibre)
- **Backend:** GraphQL, Nexus, Typescript, Appwrite, Cloudinary sdk

https://mypets.cz

Musify
2024 - 2025

The application is structured as a monorepo using Turborepo. It is powered by Next.js on the frontend with a GraphQL Yoga backend (using Nexus). For database access, it uses Drizzle ORM, with all data stored in a PostgreSQL database. Authentication is managed via NextAuth. Urql is used to handle GraphQL queries and mutations. The entire project is written in TypeScript, and the UI is styled using component libraries like Shadcn and HeroUI.
- **Frontend:** Next.js, Urql, Apollo client, Tanstack query, Typescript, Tailwind

- **Backend:** GraphQL yoga, Typescript, Drizzle, NextAuth

Appwrite-ssr

Appwrite-ssr helps developers to create SSR applications with Appwrite. The Library is built for TypeScript/JavaScript projects. It can be used with any SSR web framework, but it is especially built for Sveltekit. Appwrite doesn't natively support SSR, so this library assists developers in managing authentication on the backend with Appwrite. Additionally, Appwrite-SSR offers type-safe collections and buckets, a feature not provided by Appwrite itself.

https://www.npmjs.com/package/appwrite-ssr

Tourmate

Tourmate is a web application designed to help users discover nearby places and experiences. The project is organized as a monorepo using Turborepo, separating the frontend, backend, and shared utilities. The frontend is built with SvelteKit, while the backend uses Apollo GraphQL in combination with Nexus. For the GraphQL client, Svelte-Urql is utilized. All application data is managed through Appwrite, which also handles user authentication. Cloudinary is used to store images, and Mapbox, along with MapTiler and MapLibre, powers the map features. The entire codebase is written in TypeScript, and the UI leverages several libraries, including Shadcn, Flowbite, Tailwind UI, and DaisyUI.

- **Frontend:** Sveltekit (SSR, CSR), Svelte Urql, Typescript, Tailwind, Mapbox (MapTiler, MapLibre)
- **Backend:** GraphQL, Typescript, Appwrite

https://github.com/Ota-Prokopec/tourmate