

Hello, I'm Sajad Sharhani

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ABOUT ME

I joined the Department of Information Technology, Computational Science Master program at Uppsala University, in 2022. My interests are Web development, Dynamical Systems, Data Engineering, and Scientific Computation and combining them together to produce real-life products. For now, I am working on different Full-Stack projects and contributing to open source projects.

NON-OPEN SOURCE EXPERIENCE

Coursee

In Coursee we learned about combining the front end and the back end in an innovative way, we simply tried getting inspired by RPCs in general and we came up with a library called telefunc which uses the power of the modern bundlers to combine the client and serve code that made it easy for the team to collaborate.

As a database, we used PostgreSQL which made the work really easy to be scaled, for PostgreSQL, we used Prisma which is a fairly modern ORM for PostgreSQL that makes it easy to handle SQL functionalities!

One of the interesting parts of the coursee project, is the way we handled bundling and transpiling of the project, which is a tool called vite. With Vite and vite-plugin-ssr we have been able to get the full control of our apps so we'd handle each part and piece of our app.

That's the reason it let me to handle many of the backend and front end burdens.

One of the other important pieces of our app, is that we made our app based on dynamic imports and React concurrency model, so users don't face tearing issues and some TTFB problems, well, it succeeded and that's what our users report to us.

Snapp Group

Used Vite-plugin-ssr the Nextjs alternative that use Vite as a bundler and for API used Telefunc which is based on RPC

EDUCATION

Master of Computational Science

Uppsala University - Sweden

Aug 2022 - Now

SKILLS

- HTML | CSS
- Javascript | Typescript
(Concurrency, Multithreading, ...)
- ReactJS (Hooks, State management, Performance, Concurrent rendering)
- NodeJS
(Non-blocking code, Concurrent code)
- Testing (TDD, E2E, ...)
- Database Management System
- (PostgreSQL)
- Source Control (Git)
- Operating System (Linux, Windows)
- Scientific Computing
(Python, Matlab, TensorFlowJS)
- API(Rest API, GraphQL, RPC)

Sajad Sharhani

Continued...

LANGUAGES

- Arabic **Native**
- Persian **Native**
- English **Full Professional**

ACTIVITIES

- Co-Founder of NGO that prepare disadvantage students to enter proper universities
2014 - Present

FIND ME ON SOCIAL MEDIA

 **LinkedIn :**

<https://www.linkedin.com/in/sajad-sharhani-757509137/>

 **GitHub :**

<https://github.com/Sajad-Sharhani>

 **Twitter :**

<https://twitter.com/SajadSharhani>

REFERENCES

Available upon request

karoo

Creating products around ReactJS and moving old Nextjs versions to Next 11 with using modern features like get Server SideProps.

Bidboom

Discovering a new pattern for Typescript-GraphQL oriented apps and using DB models along each of every query/mutation groups

Tehran React Job

Building their backend with GraphQL and MongoDB as database and Redis

OPEN SOURCD PROJECTS

Jotai

Primitive and flexible atomic state management for React with more than 1,000,000 downloads on npm! It's the 3rd project on Javascript rising list.

Tinypool

A minimal and tiny Node.js Worker Thread Pool implementation, a fork of piscina, with fewer features, smaller size (38KB), better memory consumption for relying on physical cores instead of logical cores, used in Vitest's core

Vite-plugin-cloudflare

Building Cloudflare workers is faster and easier using vite-plugin-cloudflare with node builtins like process and stream

Vitest

A Vite-native test framework. It's the 8th project on the Javascript rising list! With more than 2000 starts in the first week of release!