Mohammad Bagher Abiat

Web Developer

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Aslemammad Aslemammadam

Profile

I am a web enthusiast who can help your lovely team to break challenges and reduce the curtails through exploring and creating new technologies in the space.
The challenges around web performance and developer experience interest me and keep me excited! Challenges like React rendering issues, HTML performance, Server-side-rendering related patterns, asynchronous NodeJS and Javascript Testing.

Education

Mathematics and Physics Diploma, *Allame Tabatabaei school*

Computer Science, *Azad University*

Skills

HTML | CSS • **Javascript | Typescript** (Concurrency, Multithreading, ...)

ReactJS (Hooks, State management, Performance, Concurrent rendering)

NodeJS (Non-blocking code, Concurrent code) • **Testing** (TDD, E2E, ...)

Teams

Poimandres, *Jotai, Valtio and Zustand*

Vitest-dev, *Vitest and Tinyspy*

Vikejs, *Telefunc and Vike*

Non-Open source Experience

Fungible Systems, *Front-end and Back-end developer*

We are Fungible Systems. We are a design and engineering studio on a mission to drive web3 forward.

Creating platform agnostic libraries in mainstream libraries for the micro-stacks core, Handling and moving tests from Jest to Vitest and making CLI-related libs

Responsibilities:
- Create Svelte integration for Stacks Library
- Write modern tests with stronger fetch mocks and Mocking Libraries
- Migrate tests from Jest to Vitest

Genie.xyz, *Front-end and Back-end developer*

Discover, buy, and sell NFTs
across marketplaces

Working on complex design models and components, working with complex state models through Zustand, and delivering a pixel-perfect website

Responsibilities:
- Generate state machines and UI states with Zustand
- Create UI components with Vanilla-extract and Sprinkles
- Optimize UI state using Zustand best-practices
- Handle Data between NextJS Data-fetching methods and UI state

Gigmade, *Front-end ReactJS developer*

gigmade is innovation and IT company. We build custom web software to improve how you work together on innovation projects.

Helping with more performant React components, Refactoring the codebases and using better state management structures

Responsibilities:
- Refactor complicated UI states that are implemented with React state hooks
- Move the web-app frame rate from the 15-20 range to the 59-60 range
- Analyze the UI state and improve and constrict it

BoraBora, *Front-end ReactJS developer*

Creating products around React Three Fiber and ThreeJS

Responsibilities:
- Create R3F components similar to the design
- Optimize the components for a better frame rate

Projects

Jotai, *Core maintainer*
Primitive and flexible state management for React

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**.

Responsibilities:
- Create and maintain different integrations like jotai/query
- Improve devtools utils like useGotoAtomsSnapshot and useAtomsDevtools
- Optimize renders in different edge cases
- Write tests for jotai atoms and utils

Vitest, *Team member and maintainer*
Blazing Fast Unit Test Framework

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!

Responsibilities:
- Implement expect matches
- Maintain Tinylibs for Vitest
- Create a util for Browser testing

Tinyspy, *Author*
Minimal fork of nanospy, with more features

A **minimal** library for spying in testing, with no dependencies, used in **Vitest**'s core

Responsibilities:
- Make a light-weight spy functions
- Maintain an easy to use API for testing

Tinypool, *Author*
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

Responsibilities:
- Reduce Install size from 7MB to 38KB
- Increase performance through having minimal APIs
- Eliminate workers clash and conflicts with Mutex-like solutions
- Support different NodeJS versions for user compatibility
- Continue reducing the Install size and keep maintaining the repo for Vitest

Vitext, *Author*
The NextJS like React framework for better User & Developer experience using NodeJS.

You can have your website running in under **1-second** through different methods of rendering like SSG, SSR and ISR

Responsibilities:
- Bring different methods of page rendering
- Handle async conflicts with a light-weight Mutex
- Generate minimal bundles for websites using advanced Rollup APIs