MARKO MUTIC

PROFESSIONAL SOFTWARE ENGINEER

OVERVIEW

Passionate and highly skilled web developer with 5+ years of professional experience, and a track record of delivering innovative solutions that exceed expectations. Proficient in various technologies across the stack such as React, Node, Express, PostgreSQL, etc., while also possessing deep knowledge of web development principles and computer science fundamentals. Highly motivated, independent, and always looking for new challenges and ways to improve, driven by a strong self-starter mindset.

EXPERIENCE

FRONTEND ENGINEER

Nortik Software Solutions | 2022 – Present

Worked for a client based in California, dealing in direct-to-consumer healthcare apparel and lifestyle, collaborated with their internal team on developing their own platform, and, among other things:

- Created and updated GraphQL queries, broke down and arranged large data into separate pages, handled errors and updated tests
- Collaborated with 5 other team members on the localization project, built a custom language picker from scratch, connected it to GlobalE services, and passed the locale data to Contentful
- Built components and added functions that made the process of placing an order up to 70% faster, added UI improvements, wrote unit tests to support new features
- Reviewed and refactored code in several different packages within the codebase, removed redundant custom and third party React hooks, replaced them with simpler modern native solutions
- Implemented a series of different performance optimizations, bringing down LCP by 40%, changed loading priority of assets, fixed unwanted content layout shifts and loading errors

Most commonly used technologies include React, Typescript, Next.js, GraphQL, Storybook, Figma, Jira, Confluence

FULL STACK ENGINEER

Freelance | 2018 – 2022

Worked for a wide range of clients, including shop owners, farmers, room painters, restaurants, construction companies etc., and delivered solutions, most commonly entire projects from scratch, designed, coded and deployed.

On the frontend:

- Placed the initial foundation layer of the whole frontend for multiple projects, built modern interactive SPAs with React from scratch, used Redux to centralize state and combined it with selectors to further optimize the data flow, built custom Hooks and Higher-Order components when necessary
- Built complete projects using only hand-coded vanilla Javascript, including conditionally rendered elements, custom templates, imported/exported pieces of code, connected data to PHP scripts
- Handled SEO and maintenance for a large portion of my projects, used tools like lazy loading and profilers for improving performance, sitemaps and pre-rendering for improving SEO, wrote and updated tests using Jest and Enzyme or React Testing Library

On the backend:

- Built web servers from scratch using Node and Express, designed their structure, created nested dynamic routes, grouped together similar and/or related routers and endpoints, used both custom and third party middleware when necessary
- Built relational databases using PostgreSQL and connected them to servers, designed their data structure, for complex queries joined tables, filtered and rearranged data before sending it to the frontend, exported and imported database dumps when migrating a project
- Built and designed non-relational databases in MongoDB, when necessary uploaded the data to MongoAtlas instead and connected it to the servers, used Mongoose to build custom schemas for the data, created custom methods, in certain occasions joined different collections for complex queries

On a higher level:

- Connected the two layers within a project, used both RESTful and non-RESTful architecture, as well as GraphQL, and even added duplex communication when needed using Socket.IO
- Designed entire apps, negotiated with clients and non-technical staff, transformed vague ideas into concrete technical approaches, made suggestions and outlined possible improvements at every step of the way

CONTACT

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SKILLS

React

Redux

Javascript

Typescript

Next.js

Gatsby

JQuery

Node

Express

PostgreSQL

MongoDB

GraphQL

REST

Socket.IO