



# MARKO MUTIĆ

FULL STACK WEB DEVELOPER

## OVERVIEW

Professional web developer with 4+ years of experience, proficient in creating both the front-end and the back-end, as well as designing entire apps.

## PROFESSIONAL EXPERIENCE

Working as a freelance developer has demanded a variety of different roles and responsibilities over the years. Some of the most notable ones would be:

### ● React developer

Included working with Hooks and converting/deciding between class-based and functional components, centralizing state with Redux, dividing functions into separate reducers, using selectors, making AJAX requests and passing data from the back-end through the state to components, testing with Jest and Enzyme, improving SEO with sitemaps and pre-rendering, creating and handling dynamic routes, improving performance and eliminating unnecessary rendering, using Portals, implementing different language support with i18next, importing components dynamically, using Context for managing state, using modules for scoping CSS etc.

### ● Front-end developer

Comprised of building fast static websites with GatsbyJS, connecting Gatsby to GraphQL and various packages to optimize performance, building complex interactive SPAs with React (including Redux, Hooks, Context etc.), planning and building aesthetic and responsive (mobile-first) layouts with HTML5 and in-depth knowledge of CSS3 (including all the modern features such as flexbox, grid, animations, variables etc.), using vanilla Javascript or JQuery for simple DOM manipulations, fetching, processing and outputting data, dynamically creating and conditionally rendering elements, and many other things.

### ● Back-end developer

Primary duties were creating NodeJS & Express servers, receiving, processing and storing data in both relational and non-relational databases (mainly PostgreSQL or MongoDB), connecting servers to databases, creating adequate constraints for database fields and making sure invalid data can't be stored, connecting different tables or collections (depending on database type) and combining data, creating custom middleware and hashing passwords for route guarding and security, using Mongoose to create custom schemas and methods, exporting and importing database dumps, and the list goes on.

### ● Software engineer

Aside from writing front-end and back-end code, the tasks ranged from analyzing clients' requests, designing entire apps from scratch and thinking about their data flow, over using RESTful and non-RESTful approaches for performing basic CRUD operations, implementing duplex communication with WebSockets and using GraphQL for communication between the server and the client, all the way to improving code scalability and performance as well as considering time-space tradeoffs, testing and debugging any potential problems, deploying and maintaining the code, and so on.

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## TECHNICAL SKILLS

- ◆ **ReactJS**
- ◆ **Redux**
- ◆ **GatsbyJS**
- ◆ **JQuery**
- ◆ **NodeJS**
- ◆ **ExpressJS**
- ◆ **PostgreSQL**
- ◆ **MongoDB**
- ◆ **GraphQL**
- ◆ **Socket.IO**
- ◆ **Javascript**
- ◆ **Git & GitHub**