

# Denis Nikšić

[denisniksic2@gmail.com](mailto:denisniksic2@gmail.com) | [eportfolio.com](http://eportfolio.com)

## Experience

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### Freelance Frontend Developer

Feb 2020 - Present

Self Employed

- Delivered professional websites using HTML5, CSS3 (+ SCSS, BEM), JavaScript and React best practises
- Improved website performance by compressing, caching and lazy loading images and components
- Included SEO, responsive, multi-platform and hosting support, enabling their website to be used by any browser or device in the world

### Computer Science Tutor

Jun 2017 – May 2023

Hybrid

- Supported 50+ students using Lua, Python, Java, JavaScript, HTML, CSS best practices
- Utilized debugging best practises using Google Chrome inspect element tooling
- Simplified difficult programming concepts including responsive website development, CSS layout, Promises, API requests and Java Swing and Python Tkinter GUI components

## Projects

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### Personal ePortfolio | [Website](#) | [GitHub](#)

- ePortfolio made with HTML, CSS and JavaScript best practices
- Used BEM naming convention on CSS class names making them easier to read, understand and scale
- JS based animations and responsiveness
- Implemented dark & white contrast
- Integrated EmailJS service to send emails directly from the website

### eCommerce Web App | [Website](#) | [GitHub](#)

- Designed a fully responsive Library E-com mock up web application using HTML, CSS, JavaScript and React.js framework
- Created custom API for fetching book properties
- Implemented Skeleton Loading as a visual placeholder for information while data is still loading
- Utilized Material-UI for a sleek and modern user interface

### Twitter Clone | [Website](#) | [GitHub](#)

- Integrated Twitter API via Twitter React Widgets library to mimic the functionality of the platform
- Implemented Firebase database for real-time data storage & retrieval
- Utilized Material-UI for a sleek and modern user interface
- Used React Flip Move library to tackle the common but arduous problem of animating a list of items when the list's order changes
- Deployed the application on Firebase hosting
- Built with React.js to ensure a smooth interactive user experience.

### Search Engine | [Website](#) | [GitHub](#)

- Used Context API (Redux) for efficient state management
- Utilized Material UI for a visually appealing and user-friendly interface
- Implemented React Router for seamless navigation and URL handling
- Integrated the Google Custom Search API to enable search functionality within the application
- Developed custom React hooks for optimised code reuse and enhanced developer experience

### Gmail Clone | [Website](#) | [GitHub](#)

- Developed a Gmail clone using React.js, React-Router and Redux for efficient state management
- Intergrated Firebase as the backend, leveraging Firebase Authentication (Google) for secure user authentication.
- Implemented useState, useEffect and custom hooks to efficiently manage component-level state and improve code readability
- Utilized Material-UI for a sleek and modern user interface
- Created a seamless user experience by utilizing React Router for smooth navigation and URL handling
- Deployed the application on Firebase for easy accessibility and scalability

### Hulu Clone | [Website](#) | [GitHub](#)

- Built a Hulu clone using React.js and Next.js to achieve server-side rendering for improved performance and SEO
- Utilized Tailwind CSS for streamlined and responsive UI design across various devices
- Intergrated the Movie Database (TMDB) API to fetch and display movies using Axios
- Implemented Material UI pre-designed components and styling to achieve a modern and responsive UI

## Education

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### Strukovna škola Đurđevac

Sep 2017 – Jun 2022

Programming major – Computer Science

- C++ | Python | Java | JavaScript | HTML | CSS | MySQL | Firebase

### Oracle Academy | [Certificate](#)

Sep 2020 – Jun 2021

Java Foundations

- Java | Object-oriented programming | Swing GUI | Design Patterns

## Technical Skills

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**Languages:** HTML5 | CSS3 (+ SCSS, TAILWIND, BEM) | JavaScript ES6+ | Typescript

**Frameworks:** React (+ hooks) | Next.js | Material-UI | Redux

**Technology:** NPM | Git | Yarn | React dev tools | Firebase v9 | GitHub