

Jacob White

Web Developer

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TECHNICAL SKILLS

Programming Languages	JavaScript, TypeScript, Python
Frameworks / Libraries	React.js, Next.js, Redux, Express.js, Tailwindcss, Jest
WebTechnologies	HTML, CSS, Node.js
Databases	PostgreSQL, MongoDB, MySQL
Principles	OOP, AJAX, SEO, JSON, SOLID, Data Structures, Algorithms

PROJECTS

Tribuy Ecommerce 10/2023

Technologies: React.js, Redux, TypeScript, HTML, CSS, Tailwindcss, Express.js, PostgreSQL

- Integrated JSON web tokens and HTTP cookies for authorization, increasing session security
- Implemented responsive design principles and accessibility controls, improving user experience
- Designed postgresQL database that is controlled by backend REST APIs, streamlining data retrieval processes

Movie Cloud 07/2023

Technologies: React.js, Next.js, TypeScript, HTML, CSS, Tailwindcss, Express.js, MongoDB

- Programmed favorite movie feature and autocomplete search functionality, enhancing user experience
- Developed backend API routes with authentication middleware, increasing application security and performance
- Created MongoDB database that interfaces with REST APIs, reducing query response time with limit method

Pathfinding Simulation 01/2021

Technologies: JavaScript, HTML, CSS, Node.js, Express.js

- Implemented min-heap data structure to prioritize shortest path, reducing compute time and improving efficiency
- Programmed maze pathfinding animations and maze drawing feature, increasing website engagement
- Developed touchscreen drag and drop feature for mobile devices, boosting mobile functionality

EDUCATION

Missouri University of Science and Technology, Rolla, Missouri 01/2015 - 05/2019

- Completed 96 credit hours towards a B.S. in Chemical Engineering
- Relevant coursework: CS 1570, CS 1580, Calculus 1, 2, 3, Differential Equations