

Jacob A. White

Web Developer | Rolla, MO 65401 | (816) 898-9973

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SUMMARY

Web Developer with experience creating responsive web applications that utilize databases and APIs. Capable of implementing data structures, algorithms, design patterns, and object-oriented programming. Dedicated to learning and applying new skills, technologies, and industry practices.

SKILLS

JavaScript	CSS3	HTML5	TypeScript	React	Node
Bootstrap	Express	Jest	MongoDB	Python	Git
PostgreSQL	NPM	SOLID	JSON	AJAX	OOP

EXPERIENCE

Personal Project - Profile Authentication - 11/2022

Technologies: React, HTML5, CSS3, Bootstrap, JavaScript, and Node.js, Express and PostgreSQL

- Uses cookie based authentication to persist user sessions
- Authenticate users by session cookie or email and password
- Implemented PSQL database that stores encrypted user data

Personal Project - Maze-solving Simulation - 01/2021

Technologies: HTML5, CSS3, JavaScript, Express and Node.js

- Uses a min-heap data structure to prioritize the shortest path
- Dynamically generates a grid that supports any device resolution
- Implemented touch-screen support for mobile devices

Personal Project - Portfolio Website - 09/2020

Technologies: HTML5, CSS3, JavaScript

- Uses input validation, APIs, and rate limiting
- Optimized for SEO, readability, and response time
- Implemented responsive design to support any device resolution

Personal Project - Restaurant Reviewer - 05/2020

Technologies: React, HTML5, CSS3, Bootstrap, JavaScript, Node.js, Express, and MongoDB

- Uses Google Map API to locate restaurants based on unique ID stored as JSON data
- Manage user data using back-end CRUD operations with REST APIs
- Implemented MongoDB aggregation to merge user reviews

EDUCATION

Missouri University of Science and Technology - Rolla, MO

2015 - 2019

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