

ROBERT WECHÉ — SOFTWARE ENGINEER

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SUMMARY

Full-Stack software engineer seeking a position as a web developer. Proficient in using SQL for managing relational databases, Python scripts for automation, Javascript for front-end and back-end programming, ReactJS, HTML, CSS, API implementing, Node.js, Express, PostgreSQL, and UI frameworks like Bootstrap. Experienced in diagnosing technical issues and applying elegant solutions in time-sensitive environments. Mechanically-inclined and loves learning new skills.

TECHNICAL SKILLS

Software: HTML5, CSS3, Python, JavaScript ES9, Node.js, ReactJS, Next.js, Bootstrap, TailwindCSS, jQuery, Express, RESTful APIs, PostgreSQL, SQLite

Tools: Windows, Linux, Bash, Powershell, Visual Studio Code, Jest, Mocha, Chai, Knex, Git, GitHub, Heroku, Node Package Manager

EXPERIENCE

Elimu Community Center

Educational Volunteer/Web Developer

Middle River, MD

01/2014 – Present

- Currently designing an instant messaging application to centralize organizational communications and scheduling ahead of the community center's official relaunch.
- Assisting in the remodel and future operations planning for the center as a non-governmental organization focused on providing crucial community services.
- Helped students achieve academic success by tutoring them in core K-12 science and math skills.

Thinkful

Software Engineering Apprentice

Remote

08/2022 – 01/2023

- Learned industry best practices and software development standards with a focus on Javascript, HTML5, CSS3, ReactJS, Node.js, PostgreSQL, RESTful API's, algorithms, and data structures.
- Developed and deployed mobile-first applications while learning new languages and frameworks, spending several hours per week in Agile Sprints collaborating with and learning from senior web developers in a mentor-student relationship.
- Produced professional projects from concept to completion including:
 - **Movie Database Application** | **Link:** github.com/bobbyzto/WeLoveMovies
 - Assembled the back end of a movie website allowing any user to search for their favorite movies.
 - Used CRUD methods for reviews, and view theaters and movies that are showing.
 - Applied router and controller functions to retrieve a user's specific requests.
 - Technology: Node.js, Express, and Knex. Version control with Git.
 - **Library Application** | **Link:** github.com/bobbyzto/local-library-project
 - Assembled the functionality for an application that allows users to search, review and check out books from their local neighborhood.
 - Created search and sorting functions to allow users to know what books were available and their rating.
 - Coded using JavaScript functions that are built to enable the expansion of the library with little to no need for code refactoring.
 - Technology: JavaScript ES6, Bootstrap, HTML5, Node.js
 - **Flash Card Studying Application** | **Link:** github.com/bobbyzto/flashcard-o-matic
 - Created an application that allows users to create, edit, and delete decks and cards within them.
 - Created a REST API and middleware functions to allow user(s) to create, read, update and delete their perfect deck of study cards.
 - Defined routes and URLs, and used state over multiple components.

- Technology: JavaScript ES6, ReactJS, Express, Knex, HTML and CSS. Progress/Versions tracked with Git.
- **Restaurant Reservation Application | Link:** github.com/bobbyzto/starter-restaurant-reservation
 - Full stack reservation and table management system.
 - Implemented react router and express to build a RESTful API in order to make HTTP requests for all of the reservation data stored on the connected PostgreSQL database.
 - Created CRUD functions and knex queries to handle data going to and coming from the database.
 - Used Git to track changes and versions while keeping sensitive information from being pushed to repositories.
 - Technology: JavaScript ES6, ReactJS, HTML5, Node.js, Bootstrap, Mocha, Chai.

BW Papersystems

Mechanical Assembler

Hunt Valley, MD
10/2021 – 02/2022

- Achieved 100% documented and technically compliant machine assemblies, utilizing highly sensitive calibrated tools to ensure acceptable fitment tolerances.
- Expedited product delivery by more than a week during a busy holiday season by implementing a file system which greatly reduced blueprint lookup times.
- Crafted new production training books, working in conjunction with mechanical and electrical engineers to troubleshoot and photograph several new build processes for new machinery.

Eaton Corporation

Welder

Beltsville, MD
08/2019 – 05/2020

- Achieved under 4% rejection rate for high volume, TIG-welded inconel and stainless steel products by utilizing proprietary techniques to meet aerospace SAE/ISO standards.
- Increased daily weld cell output by 10% by developing rapport, synergetic workflows, and an encouraging work environment among a diverse team of operators.
- Reduced manufacturing errors and hazards by inspecting the production cell using Lean Six Sigma principles.
- Assisted engineers to catalog over a ton of machine tooling during multiple Rapid Improvement Events (RIEs).

JE Import Performance

Sales and Marketing Specialist

Rosedale, MD
03/2018 – 09/2018

- Increased sales revenue by utilizing multiple e-commerce platforms (ex. Amazon, eBay, Facebook Marketplace, company website, etc).
- Managed communications and price negotiations with customers for several online storefronts.
- Showcased new arrivals using social media including curated photo galleries.
- Represented the organization at Formula Drift events & sold merchandise for JE and affiliated brands (ex. Garrett, Sikky, Turboworx, etc).
- Managed financial statements using QuickBooks.

EDUCATION

Thinkful by Chegg

Certificate, Completion of Engineering Immersion

Remote
01/2023

Woodstock Job Corps

Certificate, American Welding Society (AWS)

Woodstock, MD
08/2019

Eastern Technical High School

Diploma, Automotive Technology

Essex, MD
06/2017