

# ROBERT WECHE — SOFTWARE ENGINEER

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## SUMMARY

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Full-Stack software engineer seeking a position as a software engineer. 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 TailwindCSS. Experienced in diagnosing technical issues and applying elegant solutions in time-sensitive environments. Mechanically-inclined and loves learning new skills.

## TECHNICAL SKILLS

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**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, Git, GitHub, Heroku, Vercel, Render, Node Package Manager, Pyenv, Pip

## EXPERIENCE

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*Elimu Community Center*

**Educational Volunteer/Web Developer**

Middle River, MD

01/2014 – Present

- Currently designing a web application to centralize community resource planning ahead of the organization's official relaunch.
- Assisting in the remodel and future operations planning for the organization as an NGO focused on providing crucial social services.
- Helped clients achieve academic excellence by tutoring them in K-12 science and math skills.
- Provided support for nightly and/or weekend events hosted at the center venue, including but not limited to A/V setup, seating arrangements, transportation, delivery, purchasing, and cleanup operations.

*Thinkful*

Remote

**Software Engineering Apprentice**

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](https://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](https://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](https://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](https://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

*Chegg*

**Certificate, Software Engineering Immersion**

Remote

01/2023

*Woodstock Job Corps*

**Certificate, American Welding Society (AWS)**

Woodstock, MD

08/2019