ROBERT WECHE — SOFTWARE ENGINEER

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SUMMARY

Full-Stack software engineer seeking a position as a Python Engineer. Proficient in using SQL for building relational databases, Python scripts for automation, Javascript for front-end and back-end programming, React.js, 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. Mathematically-inclined and loves learning new skills.

TECHNICAL SKILLS

Software: HTML5, CSS3, Python, JavaScript ES9, Node.js, React.js, 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

Thinkful

Software Engineering Apprentice   08/2022 – 01/2023
- Learned industry best practices and software development standards with a focus on Javascript, HTML5, CSS3, React, 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/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.
        - Used Git to track changes and versions while keeping sensitive information from being pushed to repositories.
        - Technology: Node.js, Express, and Knex. Version control with Git.
    - *Library Application | Link:* [github.com/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/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, React, Express, Knex, HTML and CSS. Progress/Versions tracked with Git.
    - *Encryption/Decryption Application | Link:* [github.com/decoder](#)
        - Built to be an encryption/decryption application to communicate and read top-secret messages.
        - Created utilizing the test-driven development method.

- Technology: JavaScript ES6, HTML5, Node.js, Bootstrap, Mocha, Chai.

Elimu Community Center   Middle River, MD
Educational Volunteer/Web Developer   01/2014 – Present
- Currently building 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 organization as a non-profit focused on providing crucial community services.
- Tutored clients after school in K-12 level science & math skills.

BW Papersystems   Hunt Valley, MD
Mechanical Assembler   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   Beltsville, MD
Welder   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   Rosedale, MD
Sales and Marketing Specialist   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   Remote
Certificate, Software Engineering Immersion   01/2023

Woodstock Job Corps   Woodstock, MD
Certificate, American Welding Society (AWS)   08/2019

Eastern Technical High School   Essex, MD
Diploma, Automotive Technology   06/2017