Shaun McRae - Software Engineer

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SUMMARY

Full-stack software engineer adept at utilizing JavaScript for front and back-end programming. Proficient in React, HTML, CSS, API implementation, Node.js, Express, PostgreSQL, and frameworks like Bootstrap. Experience in science and the military provides an advantage in critical thinking, a methodical approach to developing solutions, and delivering effective data.

TECHNICAL SKILLS

Frontend: JavaScript, ReactJS, HTML, CSS, jQuery, and Bootstrap
Backend: Node.js, Express, RESTful APIs, and PostgreSQL
Tools: Git, GitHub, Node Package Manager, and Visual Studio Code, Mocha, Chai, Pino, Knex,
Additional Skills: C++

EXPERIENCE

Thinkful   Online
Software Engineer Trainee   06/2023 – 02/2024
- Acquired comprehensive knowledge of industry best practices and software development standards, focusing on JavaScript, HTML5, CSS3, React, Node.js, PostgreSQL, SQL, RESTful APIs, algorithms, and data structures.
- Demonstrated growth by successfully developing and launching mobile-first applications, actively engaging with senior web developers in a mentor-student relationship to expand language proficiency and framework expertise.
- Produced professional projects from concept to completion including:
  - **Restaurant Reservation/Table Manager | GitHub Link**
    - Built a monorepo application to allow internal management of a restaurant's tables and reservations.
    - Integrated the front and backend through React hooks and middleware functions that allows user(s) to perform CRUD operations through the web UI.
    - Technology: JavaScript, React, Express, Knex, Bootstrap, Node, Pino, HTML and CSS
  - **Recipe Tracker Application | GitHub Link**
    - Built a React application to allow saving recipe information.
    - Implemented the single responsibility principle with React components.
    - Technology: React, HTML5, CSS, Bootstrap
  - **Study Tool Application | GitHub Link**
    - Created an application that allows users to create, edit, and delete flashcard decks.
    - Created a REST API and middleware functions to allow user(s) to perform the needed CRUD operations to perfect their study tool.
    - Defined routes and URLs, and used state over multiple components.
    - Technology: JavaScript, React, Express, Knex, HTML and CSS. Progress/Versions tracked with Git.

Massgrow
Extraction Technician   08/2024 – Present
- Extracted materials using either hydrocarbon or ethanol extraction in accordance with procedure and desired product.
- Processed extracted solution using various methods such as distillation, decarboxylation, and solvent evaporation.
- Recorded results and utilized inventory management to track base and processed materials through each stage of refinement.

Koch Separation Solutions   Wilmington, MA
R&D Technician   05/2021 – 07/2023
- Performed experiments in accordance with procedure to produce repeatable relevant data for evaluation.
- Reviewed data for statistical patterns and presented observations in a coherent form to diagnose problems and evaluate merits for application.
- Researched manufacturing materials and equipment to lower costs, improve product, and streamline production.

United States Marine Corps   Camp Lejeune, NC
Rifleman   09/2007 – 05/2009
- Facilitated communication between my squadron and headquarters as radioman during combat missions and training.
- Instructed non combat personnel with less experience in maintenance and checking of their equipment during training evolutions that resulted in increased combat capability.
- Executed role as company clerk upon return from deployment; used position to streamline monitoring systems for equipment and personnel during field operations resulting in increased efficiency in operations. Awarded Navy and Marine Corps Achievement medal for my efforts.

Marine Security Guard   05/2009 – 05/2013
- Kept vigilance over US Embassies: Brussels, Moscow, and Kuala Lumpur. Received Certificates of Appreciation from the US Ambassadors of Moscow and Brussels for exemplary performance.
- Recorded and maintained extensive logs for administrative and security tasks throughout deployment.
- Organized, maintained, and performed necessary tasks for various administrative roles while off duty, including: recreation, training, and equipment. Awarded Meritorious Mast in Kuala Lumpur for exemplary performance of these duties.

EDUCATION

Thinkful   *Remote*
Certificate, Software Engineering   01/2024

University of Massachusetts - Lowell   Lowell, MA
B.S. Honors in Chemistry; Minor in Biology and Writing   05/2017
- Graduated summa cum laude, Cumulative GPA: 3.88

C++ Institute   Szczecin, Poland
Certificate, CPE   11/2022