# OBED NUERTEY

## Software Engineer - Full Stack

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## Summary

- Aspiring Software Engineer with a focus on Web Development.
- Specialized in creating vibrant and user-friendly interfaces which is incorporated with a backend.
- Eager to contribute my expertise to any team.
- Well-versed in test-driven development using Cypress for frontend and Mocha and chai for backend ensuring the delivery of high-quality software.
- Collaborate in an agile team environment.
- Leverage technical skills for new feature development and enhanced functionality.
- Engage in troubleshooting, debugging, and daily communication tasks.
- Dedicated to achieving strategic goals and professional excellence.

## Soft Skills

- Strong English communication skills.
- Quick learner who can adapt to different environments.
- Innovative thinker who can approach challenges in unique ways.
- Strong teamwork skills.

## Hard Skills

- **Languages:** JavaScript and TypeScript
- **Frontend:** ReactJS, jQuery, Redux, Tailwind CSS, SASS
- **Backend:** ExpressJS, MongoDB, NodeJS, Postgres, LangChain.js
- **Version Control:** Git, GitHub
- **Testing:** Mocha, Cypress
- **Web Technologies:** HTML, CSS, AJAX, Socket.io, passport.js, OAuth, Pug
- **Cloud Deployment:** Netlify, Render
- **Responsive Design:** Cross-browser compatibility
- **SDLC Expertise:** Third-Party Service Integration, Unit Testing
- **Data Visualization:** D3.js

## Experience

(1) **Project**: Porfolio Website (Contains more of my projects)
**Role:** Frontend Engineer and Software QA(quality assurance) and automated Testing
**Link to Site:**  https://obednuertey1.netlify.app/
**Link to Code:** https://github.com/obedNuertey1/my-personal-portfolio-src-code
**Date**: *August 2023*
**Description**:  *The Portfolio Website project is a web application that contains all of my relevant projects and articles I have written. This was how I built the project:*

- Used the power of **Typescript**, **React**, **Tailwind CSS, jQuery** and **SASS** to build the various components of the site. Used **SASS** to create custom CSS.
- Used TDD (test driven development) paradigm to develop each component of the portfolio using cypress for **unit testing,** and recorded videos of each tests with **Cypress**.
- Ensured cross browser compatibility.
- Used **responsive design** methodologies to ensure that the site renders perfectly on all screens.
- Made use of the concept of react code splitting to improve the sites performance and improve the user experience.
- Implemented a cookie screen to prevent second splash screen from showing upon reload.
- Kept track of each milestone achieved in the project by using **Git** for version control.
- Hosted the **Portfolio Website** on **Netlify** a **cloud based hosting service**.

**(2) Project**: Personal Library Full Stack Web Application
**Role:** Backend Engineer and Web service Software Tester
**Link to Site:**  https://github.com/obedNuertey1/personal_Library_project
**Link to Code:** https://obn-personal-library.onrender.com/
**Date**: *Mar 2023*
**Description**:

- Created a database solution for keeping track of user books info with MongoDB by creating a **mongodb** schema using mongoose.
- Created routes for **API** calls with **CRUD** functionalities by using **Express.js** in a **Nodejs** environment.
- Kept track of each milestone achieved in the project by using **Git** for version control.
- Implemented **automated unit testing** Using **Mocha** JavaScript framework for the **Exercise Tracker App** to catch bugs that might arise during development.
- Tested API end points using **Chai** with **Mocha.**
- Hosted the **Personal Library App** on **Render** a **cloud based hosting service**.

**(3) Project**: Drum Machine
**Role:** Frontend Engineer
**Link to Site:**  https://obn-drum-machine.netlify.app/
**Link to Code:** https://github.com/obedNuertey1/drum-machine-src-code
**Date**: *January 2023*
**Description**: *The Drum Machine is a web application that lets you play different sounds. This was how I built the project:*

- I leveraged the power of **JavaScript**, **React, jQuery** and **SASS** to build the various components of the site.
- Ensured cross browser compatibility.
- Used **responsive design** methodologies to ensure that the site renders perfectly on all screens.
- Kept track of each milestone achieved in the project by using **Git** for version control.
- Used grid layouts for the drum keys.
- Created a screen which showed which key is pressed.
- Created two switches one for power button and the other that changed the sound that the keys played when pressed into actual music.
- I used **Redux** to control the states of the drum keys when the power is turned on and when the bank is changed.
- I also used **Redux** to keep track of the position of the volume control and interpreted it with **jQuery** onto the screen.
- Used **jQuery** to change the screen texts.
- Hosted the **Drum Machine** on **Netlify** a **cloud based hosting service**.

## Education

**FreeCodeCamp**, San Francisco

## Certification

- https://freecodecamp.org/certification/fccfee8c45c-397b-4588-bbfb-634b6bd99dfb/responsive-web-design

- https://www.freecodecamp.org/certification/fccfee8c45c-397b-4588-bbfb-634b6bd99dfb/data-visualization

- https://www.freecodecamp.org/certification/fccfee8c45c-397b-4588-bbfb-634b6bd99dfb/back-end-development-and-apis

- https://www.freecodecamp.org/certification/fccfee8c45c-397b-4588-bbfb-634b6bd99dfb/relational-database-v8

- https://www.freecodecamp.org/certification/fccfee8c45c-397b-4588-bbfb-634b6b99dfb/javascript-algorithms-and-data-structures

- https://www.freecodecamp.org/certification/fccfee8c45c-397b-4588-bbfb-634b6bd99dfb/front-end-development-libraries

- https://www.freecodecamp.org/certification/fccfee8c45c-397b-4588-bbfb-634b6bd99dfb/quality-assurance-v7

## Languages

- **English**
  Fluent

## Additional Information

Personal Website (more of my projects) - https://obednuertey1.netlify.app
LinkedIn Profile - https://www.linkedin.com/in/obed-nuertey-60b63b227/
GitHub - https://github.com/obedNuertey1