

Spencer Nelson

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Technical Skills

- C#
- ASP.NET Core
- JavaScript
- React.js
- Express.js
- MongoDB
- PostgreSQL
- Git
- HTML / CSS

Projects

Portfolio – Developer

April 2020

This portfolio application is where all my projects can be seen. It is a full CRUD application, allowing projects and text to be maintained online. React.js with Material UI was used for the front end. Express.js and MongoDB with Mongoose were used for the backend and the database. The API was designed to be RESTful. <http://spencer-nelson.com/>

Task Manager - Developer

March 2020

A full CRUD application that allows users to maintain a list of tasks. This simple application is taken to the next level with Google and Facebook login using Passport.js. The back end runs Express.js with a MongoDB database and is RESTful. <https://sn-todo.herokuapp.com/>

Flash Card Application - Developer

In Development

This is the beginning of a flash card study application that I am currently developing. The application is written in C# using ASP.NET Core and React.js. It is hosted using Docker and Heroku. The application is currently in active development <https://sn-core.herokuapp.com/>

Work Experience

Environmental Engineer II | Utah Division of Air Quality | Jan 2018 – Jan 2020

Salt Lake City, Utah

- As subject matter expert in Ethylene Oxide, planned and conducted meetings to inform and educate the public and other engineers.
- Ensured compliance with applicable federal and state laws, regulations, and agency rules, standards and guidelines by conducting inspections and investigations.
- As a project leader, received, researched and responded to incoming questions and complaints; provided information, explained policy and procedures, and facilitated a resolution.
- Developed, evaluated, and reviewed plans and criteria for a variety of projects and activities; assessed feasibility of proposals.
- Maintained detailed inspection records, prepared reports, and attended to other related administrative duties.

Lab Analyst II | Nelson Laboratories | 14 September 2015 – January 2018
Salt Lake City, Utah

- Tested medical devices ensuring sterility per approved procedures in a cleanroom.
- Followed applicable regulatory requirements, resulting in quality data for our customers.
- Assisted in leadership and training responsibilities, helping to catch and reduce the number of mistakes made during testing.

Education

Full Stack Web Developer | Helio Training | April 2020

- Certificate of Skills Proficiency
- Certificate of Course Completion

Bachelor of Science – Chemical Engineering | May 2016

University of Wyoming

- Minor: Mathematics
- Passed Fundamentals of Engineering Exam
- Trustee's Scholarship

Awards/Recognitions

Utah Division of Air Quality - Quality Recognition Award - Dec 2018

Nelson Laboratories - Quality Analyst Recognition – May 2017