



# **Victissoft, Inc.**

## **Job Board**

Nicholas Brokaw | Full Stack Web Developer | Dec. 13<sup>th</sup>, 2019  
| [fsdp.nicholasbrokaw.com](https://fsdp.nicholasbrokaw.com) |

# Introduction

Hi, my name is Nicholas Brokaw, and you must be... a recruiter, HR manager, or a developer. Or at least that's my best guess. Anyway, that's beside the point, what matters is that you turned the page of this documentation and found yourself reading this one-sided conversation because you wanted to learn more about my Job Board. I'm so glad you are interested in this project, but first, let me explain a bit about myself.

## About the Developer

I am a recent high school graduate who has found his passion in software development. To nail down exactly which aspect of development I enjoy the most would be difficult, but if I had to choose one, I'd pick the aspect of problem solving. This is mainly due to the challenges that come with problem solving (the problem itself), and the excitement/triumph I feel after solving the problem.

I'm always open to learning something new, whether it be in software development or business functions. Propelled forward by my interests in these fields, I've begun to form a solid grasp on technologies such as the primary languages of front-end development, C#, SQL, and NodeJS; and the SDLC.

## The Job Board

The Job Board is intended to be an internal application for a company's employees seeking jobs in other areas of the business. It was designed to test a student's knowledge of the course material. In my case, it not only tested what I have learned, but gave me opportunities to further expand my knowledge of web development.

## Reflection

I built Victisoft, Inc.'s Job Board in the mindset of getting all of my functionality done first. Only once I was satisfied with what features were implemented did I allow myself to begin styling; I am very proud of what this process helped me create! I'm taking great care to refine my development process with every iteration of a project, so I can only expect that the next application will be even better!

## Features

Victissoft, Inc.'s Job Board:

- was designed for three types of users: Admins, Managers, and Employees;
- adapts to mobile and desktop viewports;
- did not utilize a template for its design;
- guides users through the site;
- offers an easy-to-use one-click application process;
- and prevents malicious and/or site-breaking activity;

## Permissions Overview

Home	Index	Help			
Admin	X	X			
Manager	X	X			
Employee	X	X			
Locations	Index	Details	Create	Edit	Delete
Admin	X	X	X	X	X
Positions	Index	Details	Create	Edit	Delete
Admin	X	X	X	X	X
Openings	Index	Details	Create	Delete	
Admin	X	X	X	X	
Manager	X	X	X	X	
Employee	X	x			
Applications	Index	Details	Review	Apply	
Admin	X	X			
Manager	X	X	X		
Employee	X	X		X	
Statuses	Index	Create	Edit	Delete	
Admin	X	X	X	X	
Manager	X				

# UI Snippets

Open Position	Location	Applicant	Status	Actions
Jr. Software Engineer	Burlington, IA	Drake Taylor	✓	
Jr. Software Engineer	Burlington, IA	Alex Christian	✗	
Sr. Software Engineer	San Fransisco, CA	Drake Taylor	✓	
Front End Developer	San Fransisco, CA	Drake Taylor	?	
Front End Developer	San Fransisco, CA	Alex Christian	✗	
Front End Developer	Burlington, IA	Drake Taylor	?	
Front End Developer	Burlington, IA	Alex Christian	?	
Sr. Software Engineer	Rariton, IL	Nolan North	✓	

A custom-styled list – much more responsive and beautiful than a table!

Open Position	Status	Actions
Jr. Software Engi...	✓	
Jr. Software Engi...	✗	
Sr. Software Engi...	✓	
Front End Develo...	?	
Front End Develo...	✗	
Front End Develo...	?	
Front End Develo...	?	
Sr. Software Engi...	✓	

It looks great on mobile too – some of the columns were dynamically removed to give the device as much space as possible for the most important pieces.

New Opening

Are you hiring? Post your opening on the Job Board!

Create

New Position

Or maybe you need to add a position from Victissoft, Inc. to the Job Board first.

Create

These handy cards are usually at the top of the page to give you a quick link to the next possible work item.

# Code Snippets

```
if (resumeFilename == null)
{
    TempData["openPosition"] = openPositionId;
    return RedirectToAction("Index", "Manage");
}
```

```
if (openPositionId != null)
{
    return RedirectToAction("Apply", "Applications", new { openPositionId });
}
```

These two 'if' statements are highly effective when it comes to handling a user without résumé

```
<ul class="list-group shadow-lg">
  <li class="list-group-item">
    <div class="row font-weight-bold">...</div>
  </li>
  @foreach (var item in Model)
  {
    <li class="list-group-item">
      <div class="row">
        <a href="@Url.Action("Details", new { id = item.ApplicationId })" class="col-6 col-md-3 text-truncate text-nowrap text-reset">@Html.DisplayFor(model =>
            item.OpenPosition.Position.Title)</a>
        <span class="col-3 d-none d-md-inline-block text-truncate">@Html.DisplayFor(model => item.OpenPosition.Location.Summary)</span>
        <span class="col-2 d-none d-md-inline-block text-truncate">@Html.DisplayFor(model => item.UserDetail.FullName)</span>
        <span class="col-2 col-md-1 text-truncate">
          @if (item.ApplicationStatus.StatusName.ToLower() == "approved")
          {
            <i class="material-icons text-success">check_circle</i>
          }
          else if (item.ApplicationStatus.StatusName.ToLower() == "pending")
          {
            <i class="material-icons text-secondary">help</i>
          }
          else if (item.ApplicationStatus.StatusName.ToLower() == "rejected")
          {
            <i class="material-icons text-danger">cancel</i>
          }
        </span>
        <span class="btn-group btn-group-sm col-4 col-md-3" role="group">
          @if (item.ApplicationStatusId == db.ApplicationStatuses.Where(s => s.StatusName.ToLower() == "pending").Select(s => s.ApplicationStatusId).Single() &&
              User.IsInRole("Manager"))
          {
            <a href="@Url.Action("Edit", new { id = item.ApplicationId })" class="btn btn-sm btn-secondary mx-auto col-6"><i class="material-icons">edit</i></a>
          }
          else
          {
            <a href="@Url.Action("Details", new { id = item.ApplicationId })" class="btn btn-sm btn-secondary mx-auto col-6"><i class="material-
              icons">remove_red_eye</i></a>
          }
        </span>
      </div>
    </li>
  }
</ul>
```

One of my favorite features of the Job Board is its responsiveness. A lot of that is thanks to the custom lists like the one above.