# Jacob Filer

JOB BOARD

August 7 2020

# Introduction

My name is Jacob, and I am a Full Stack developer.  I really enjoyed the process of creating this process. It had a lot of challenging pieces and it was incredibly satisfying to work out these problems.  I really enjoy business logic and writing dynamic code for websites.  I love puzzles and technology, so Web Development is the perfect center of that Venn Diagram.

At Centriq I have worked hard to hone my skills as a developer.  I grew up being fascinated with technology, as well as just being an overall nerd.  I built a retro-videogame emulator when I was in high school, and ever since them coding has always been something that I was fascinated in.
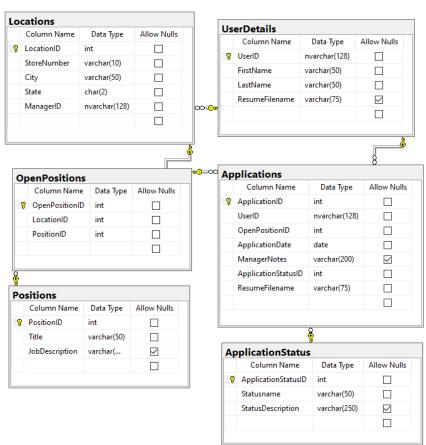
Centriq is a Microsoft oriented shop, so I have gotten very comfortable in the .NET/C#/SSMS environment(s).  For personal growth, I would like to dive into Front End Frameworks more deeply, as well as learn a more "modern" programming language like Ruby or Python.

# Project Requirements

## The purpose of the Job Board is to provide a one-stop-shop for

− External Applicants to create an account, upload a resume, and one click apply to open positions

  − After applying Applicants can see the various applications they have submitted, as well as seeing the status of the applications.

− Managers can mark positions at their locations as "Open", as well as viewing applications that have been submitted for *only their* location.

− Administrators can add locations, assign users as managers, assign said managers to locations, as well as creating new positions that can be listed as open by managers.

# DB Diagram

**Locations**

| Column Name | Data Type | Allow Nulls |
|---|---|---|
| 🔑 LocationID | int | ☐ |
| StoreNumber | varchar(10) | ☐ |
| City | varchar(50) | ☐ |
| State | char(2) | ☐ |
| ManagerID | nvarchar(128) | ☐ |
| | | ☐ |

**UserDetails**

| Column Name | Data Type | Allow Nulls |
|---|---|---|
| 🔑 UserID | nvarchar(128) | ☐ |
| FirstName | varchar(50) | ☐ |
| LastName | varchar(50) | ☐ |
| ResumeFilename | varchar(75) | ☑ |
| | | ☐ |

**OpenPositions**

| Column Name | Data Type | Allow Nulls |
|---|---|---|
| 🔑 OpenPositionID | int | ☐ |
| LocationID | int | ☐ |
| PositionID | int | ☐ |
| | | ☐ |

**Applications**

| Column Name | Data Type | Allow Nulls |
|---|---|---|
| 🔑 ApplicationID | int | ☐ |
| UserID | nvarchar(128) | ☐ |
| OpenPositionID | int | ☐ |
| ApplicationDate | date | ☐ |
| ManagerNotes | varchar(200) | ☑ |
| ApplicationStatusID | int | ☐ |
| ResumeFilename | varchar(75) | ☐ |
| | | ☐ |

**Positions**

| Column Name | Data Type | Allow Nulls |
|---|---|---|
| 🔑 PositionID | int | ☐ |
| Title | varchar(50) | ☐ |
| JobDescription | varchar(... | ☑ |
| | | ☐ |

**ApplicationStatus**

| Column Name | Data Type | Allow Nulls |
|---|---|---|
| 🔑 ApplicationStatusID | int | ☐ |
| Statusname | varchar(50) | ☐ |
| StatusDescription | varchar(250) | ☑ |
| | | ☐ |

# Use Cases

| | Admin | Manager | Applicant |
|---|:---:|:---:|:---:|
| Home | | | |
| Index | * | * | * |
| Contact | * | * | * |
| Applications | | | |
| Index | * | * | * |
| Details | * | * | * |
| Create | * | | |
| Edit | * | | |
| Delete | * | | |
| Open Positions | | | |
| Index | * | * | * |
| Details | * | * | * |
| Create | * | * | |
| Edit | * | * | |
| Delete | * | * | |
| Positions | | | |
| Index | * | | |
| Details | * | | |
| Create | * | | |
| Edit | * | | |
| Delete | * | | |
| Application Status | | | |
| Index | * | | |
| Details | * | | |
| Create | * | | |
| Edit | * | | |
| Delete | * | | |
| User Details | | | |
| Index | * | * | * |
| Details | * | * | * |
| Create | * | * | * |
| Edit | * | * | * |
| Delete | * | | |
| Locations | | | |
| Index | * | | |
| Details | * | | |
| Create | * | | |
| Edit | * | | |
| Delete | * | | |

# Code Snippets

## One Click Apply

```csharp
[Authorize(Roles = "Seeker")]
public ActionResult Apply(int id)
{
    Application userApp = new Application();//get application info
    var appUserID = User.Identity.GetUserId();// Get ID applicant

    var appUserDets = (from u in db.UserDetails
                       where u.UserID == appUserID
                       select u)
                       .FirstOrDefault();//get User info

    //Fill out application info
    userApp.OpenPositionID = id;
    userApp.UserID = User.Identity.GetUserId();
    userApp.ApplicationStatusID = 2;//Applied status ID
    userApp.ResumeFilename = appUserDets.ResumeFilename;
    userApp.ApplicationDate = DateTime.Now;

    if (ModelState.IsValid)
    {
        //add application and save changes to DB
        db.Applications.Add(userApp);
        db.SaveChanges();
        return RedirectToAction("Index", "OpenPositions");

    }
    return RedirectToAction("Index", "OpenPositions");
}
```

## Dynamic Applications Index

Managers can only see applications at their location; Applicants can only see their application

```csharp
// GET: Applications
public ActionResult Index()
{
    var appUserID = User.Identity.GetUserId();
    var applications = db.Applications.Include(a => a.ApplicationStatu).Include(a => a.OpenPosition).Include(a => a.UserDetail);
    if (User.IsInRole("Seeker"))
    {

        var sortedApps = (from u in applications
                    where u.UserID == appUserID
                    select u);
        return View(sortedApps.ToList());
    }


    if (User.IsInRole("Manager"))
    {
        var sortedApps = (from u in applications
                    where u.OpenPosition.Location.ManagerID == appUserID
                    select u);
        return View(sortedApps.ToList());
    }
    else
    {
        return View(applications.ToList());
    }

}
```

# Jacob Filer

FULL-STACK DEVELOPER

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Jacob Filer

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## SUMMARY OF QUALIFICATIONS

- Solid foundational knowledge of designing and developing full-stack web applications using .NET framework.
- Experience working remotely
- Experience in developing email marketing campaigns
- Extremely fast learner

## TECHNICAL SKILLS

**Front End:**  HTML5, JavaScript, jQuery, jQueryUI, CSS3, Responsive/Mobile Web Development, Bootstrap, ReactJS

**Middle Tier:**  Visual Studio, C#.NET, ASP.NET, LINQ, MVC, EF

**Back End:**  ADO.NET, SQL, SQL Server, SSMSE jQuery

## INDEPENDENT DEVELOPMENT PROJECTS

- **Personal Site**: www.jacobfiler.com
- **StoreFront:**  Created a secure application for managing product data. Application is built to simulate an online store front with a shopping cart. Administrators have the ability to manage product, category and vendor data.
- **S.A.T. Scheduling Administration Tool:** Created a secure application for managing product data. Application is built to simulate an online class scheduling system.  Administrators will have the ability to manage students, courses, scheduled classes, and enrollments.
- **Final Project**:  Created a secure data-driven ASP.NET MVC application from design through deployment for managing the tracking and organization of hardware and software within a company. Administrators have the ability to manage employee, department data and all details relating to assigned hardware and software.

## TECHNICAL TRAINING

**Centriq Training**, Kansas City, MO                                                        April – Present

*Full-Stack Web Developer Program*

  *Core Competencies:*

- MVC Framework
- Trouble Shooting & Debugging
- Source Control
- Agile/Scrum (Created Team Project)
- Website Deployment
- Pair Programming
- Code Review
- Professionalism, Teamwork, Problem Solving & Effective Communication.

# PROFESSIONAL EXPERIENCE

**Heart of Life Church**, Harrisonville, Missouri                    Jan 2019-Present
*Technical Resources Director*
- Responsible for technical resources owned by HoL
- Developed training program to train volunteers
- Oversaw technology overhauls

**BigYield.us**, Garden City, Missouri                    Jan 2020-April 2020
*Web Developer*
- Managed and updated multiple company websites
- Assisted with email marketing, and developed email campaigns
- Worked remotely to finish deadlines with minimal supervision