



RACHEL MANTEI

Internal Job Board

Absolute Bank Job Board

April 1, 2021

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About Me

Hello, my name is Rachel Mantei. Prior to Centriq, I worked at a local KC bank for two years. I decided to leap into the tech scene because it is an ever-changing, challenging field. During my time at Centriq, I have created projects that I never thought I would be able to four months ago. I have learned a lot while in this program, and I am excited to learn and grow even more as a developer after I leave.

My final project was an “aha!” moment. Everything I learned during the past four months has led up to this point, which made this project exciting. I cannot wait to bring this enthusiasm into my next project and career moving forward. The next framework set I would like to learn more about is mobile development because the number of people accessing the internet via smaller devices will only continue to grow.

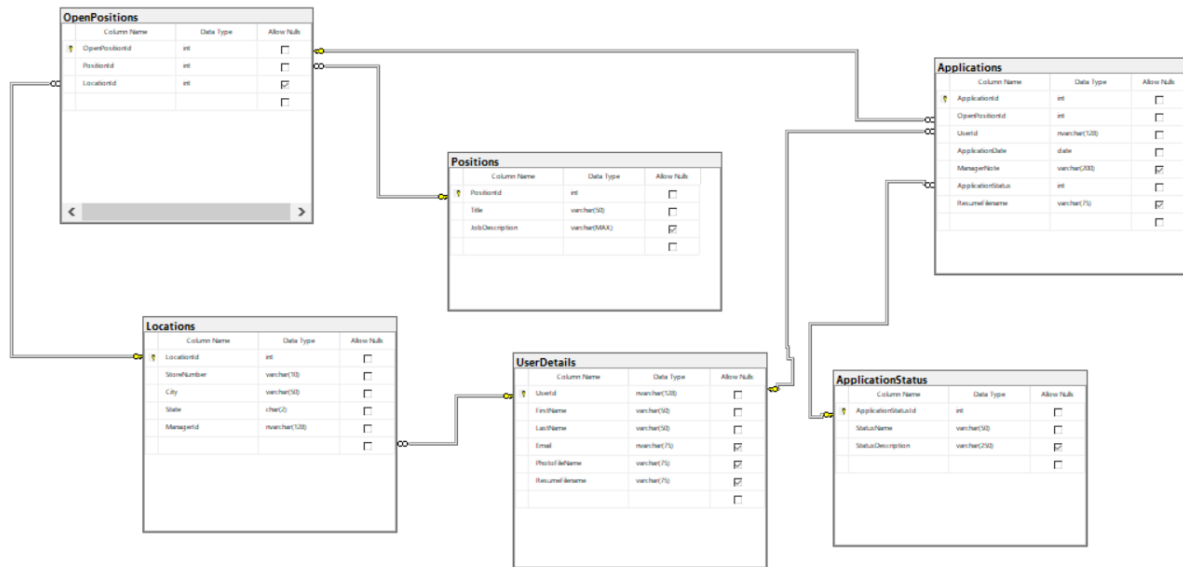
I can say that my four months at Centriq has sparked my curiosity and I cannot wait to see what I can learn in another four months.

Project

I created a job board application where employees, managers, and admin will have to sign in to view their information based on who is signed in. Employees can apply to any open positions that are posted as well as track their current applications after they hit the one click apply button. The managers can view the applications for open positions submitted to their specific location. To make this visually easier for me to implement by this excel spreadsheet below.

Home Controller	Index	Contact				
Employees	X	X				
Managers	X	X				
Admin	X	X				
Positions	Index	Detail	Create	Edit	Delete	
Employees	X	X				
Managers	X	X				
Admin	X	X	X	X	X	
Open Positions	Index	Detail	Create	Edit	Delete	
Employees	X	X				
Managers	X	X	X	X		
Admin	X	X	X	X	X	
Application	Index	Detail	Create	Edit	Delete	
Employees	X					
Managers	X	X		X		
Admin	X	X	X	X	X	
ApplicationStatus	Index	Detail	Create	Edit	Delete	
Employees	X					
Managers	X	X				
Admin	X	X	X	X	X	
Location	Index	Detail	Create	Edit	Delete	
Employees	X	X				
Managers	X	X				
Admin	X	X	X	X	X	
Account						
Employees	X	X	X	X	X	

Data Schema



Code Snippets 1 / 3

Password Strength

Register

Weak

Resume File Name No file chosen

```
@section Scripts {
<script>
$(document).ready(function () {
    $('#password').keyup(function () {
        $('#result').html(checkStrength($('#password').val()))
    })
    function checkStrength(password) {
        var strength = 0
        if (password.length < 5) {
            $('#result').removeClass()
            $('#result').addClass('short')
            $('#result').addClass('important red');
            return 'Too short'
        }
        if (password.length > 7) strength += 1
        // If password contains both lower and uppercase characters, increase strength value.
        if (password.match(/[a-z].*[A-Z]|[A-Z].*[a-z]/)) strength += 1
        // If it has numbers and characters, increase strength value.
        if (password.match(/[a-zA-Z]/) && password.match(/[0-9]/)) strength += 1
        // If it has one special character, increase strength value.
        if (password.match(/[!,&,#,$,%,&*,?,&_~]/)) strength += 1
        // If it has two special characters, increase strength value.
        if (password.match(/([!,&,#,$,%,&*,?,&_~].*[!,&,#,$,%,&*,?,&_~])/)) strength += 1
        // Calculated strength value, we can return messages
        // If value is less than 2
        if (strength < 2) {
            $('#result').removeClass()
            $('#result').addClass('weak')
            $('#result').addClass('important orange');
            return 'Weak'
        } else if (strength == 2) {
            $('#result').removeClass()
            $('#result').addClass('good')
            $('#result').addClass('importantBlue');
            return 'Good'
        } else {
            $('#result').removeClass()
            $('#result').addClass('strong')
            $('#result').addClass('important strong green');
            return 'Strong'
        }
    }
});
</script>
}
```

Figure1: JQuery code for password strength.

This is the jQuery scripts section of the Register View that allows the user to see if is too short, weak, good, or strong. The strength has no function on a user signing up but serves more of the purpose to let the user know how strong, or weak their password is when registering. I decided to implement this function in my code because you see password strength on a lot of sites you register as a user. I feel like this functionality is necessary for a great user experience. Implementing this code allowed me to play around more with jQuery and learn how jQuery really increases the user experience.

Code Snippet 2/3

ONE CLICK APPLY

```
public ActionResult Apply(int id) //what is filling out application when employee clicks to apply
{
    Application app = new Application();

    app.UserId = User.Identity.GetUserId();
    app.OpenPositionId = id;
    app.ApplicationDate = DateTime.Now;
    app.ManagerNote = " "; //leave empty
    app.ApplicationStatus = 5; //choose 1 if 5 is not working(pending)
    string appUser = User.Identity.GetUserId(); //create another variable for top variable to flow
    UserDetails userDetails = db.UserDetails.Where(x => x.UserId == appUser).SingleOrDefault(); //SingleOrDefault

    app.ResumeFilename = userDetails.ResumeFilename; //transferring above data to the application
    db.Applications.Add(app);
    db.SaveChanges();
    //go to openposition in tt files to complete this
    return RedirectToAction("Index", "Applications");
}
```

Figure 2: Code showing One-click Apply ActionResult

I created a one-click apply button for easy employee application. This code resides in the Open Positions controller. The button pulls the employees information from the database (along with their resume) which allows them to automatically apply for the position they are interested in with one-click. After they apply, it redirects them to their open Application page that shows their current applications.

Code Snippet 3/3

Manager Location Application

```
if (User.IsInRole("Manager"))
{
    string manager = User.Identity.GetUserId();
    var application = db.Applications.Where(x => x.OpenPosition.Location.ManagerId == manager); //filters by managerid
    return View(application.ToList());
}
else
{
    var application = db.Applications.Include(x => x.OpenPosition.Location).Include(x => x.OpenPosition);
    return View(application.ToList());
}
//will need to include a way to filter who can view applications
```

Figure 3: Code showing Linq code to filter Applications in Manager Location only

The above code shows the linq code that I placed in the Application Controller to allow the manager to only view applications that pertained to their location only. This allows the manager less information to sift through when looking for possible applicants at their location.

RACHEL MANTEI

FULL-STACK DEVELOPER

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SUMMARY OF QUALIFICATIONS

- Fast learner, hard worker, and team player who is proficient in a collection of scripting languages.
- Proactively built a Web user interface from the ground up -- from concept, navigation, and layout.
- Ability to communicate with a team efficiently and effectively to produce a desired product.
- Skilled at writing well-designed, testable, and efficient code using current best practices in Web development.

TECHNICAL SKILLS

Front End: HTML5, JavaScript, jQuery, jQuery UI, 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.rachelmantei.com
- **Front End Studio Project:** Created a purely front-end based functioning website built on HTML, CSS, and JavaScript. The website was modeled after a course website of our choosing. I chose to showcase one of my interests, Harry Potter.
- **C# Console Application:** Created a C# console application that uses C# knowledge with looping through code to create an interactive fighting game.
- **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.

EDUCATION

Centriq Training, Kansas City, MO

Dec 2020 – Apr 2021

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.

Google Analytics

Jul 2020

University of Missouri, Columbia, MO

May 2018

Bachelor of Arts, Communication

- Emphasis: Organizational Communication

Bachelor of Science, Business Administration

- Emphasis: Management

Multicultural Certificate

PROFESSIONAL EXPERIENCE

Commerce Bank, Kansas City, MO

Sept 2018 – Dec 2020

Personal Banker I

- Ensured internal audits were in accordance with banking policy and updated audit tracking in CRM.
- Provided internal training to 10-15 incoming team members on company policies and day-to-day responsibilities.
- Managed time effectiveness independently and under a deadline for projects ranging in size.
- Generated client relationships by building rapport and communicating on a regular basis.

Arris' Pizza, Columbia, MO

Aug 2016 – July 2018

Hostess

- Prioritized and delegated tasks to my team in a fast-paced environment.
- Collaborated closely with management to ensure proper training of new hires on POS system, restaurant policies, and workplace conduct.
- Addressed customer inquiries and resolved issues of varying degrees in a timely manner.

Route, Columbia, MO

May 2017 – Aug 2017

Event Marketing Intern

- Transcribed weekly membership communication for clients, detailing brands and events occurring with the business.
 - Created partnerships with outside vendors to create a consistent business-vendor experience.
 - Contributed new ideas, alongside an intern team, to raise awareness and boost sales.
 - Edited and produced marketing materials and sales goals using Microsoft products.
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