

Dylan Schwarz



Project Documentation: Job Board – InsuraTech

Presentation Date: 04/01/2021 (Not an April fools joke)

The whole point of this project is to find a way to share job openings easily between all company (InsuraTech) locations across the United States. The system needs to allow InsuraTech managers to post openings while also allowing InsuraTech Employees to create an account, upload a resume and simply apply for open positions. Managers should be able to view applications for their location and Employees should be able to view the status of their applications.

I was super excited to start on the Final Project for a multitude of reasons. One being, this was a project that is assigned to demonstrate a bulk of the skills that we have learned while in this 4 and a half month track of Web development (a culmination of what we've learned essentially). Another reason I was excited to get started on this project was the freedom to schedule our work based on the individual tasks that we have portioned out for that particular day. Even though this was an individual project, I was still able to communicate and collaborate with my fellow classmates which "fills my tank" because I'm very team-oriented.

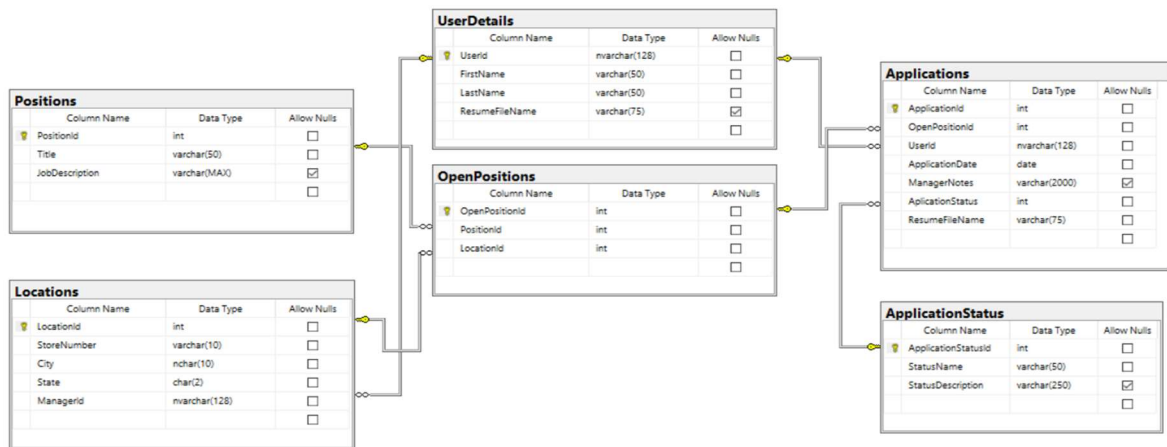
I picked the Job-board Project out of the three projects that were presented as choices to work on based on my ability to picture/imagine what this project might look like when it is finished. For one reason or another when it was presented to me, I felt confident in my ability to use my creativity to bring the project to life.

I've developed a passion for technology over the years, but most recently Web Development caught my interest due to a couple close family members and friends that are in the field. While working at an award-winning technology based Insurance firm (in the sales department) I was able to see what the developers did for the company and how much easier they made day-to-day operations for almost every other role. It was there where I decided to look into Centriq's Web Development Training Program to further my knowledge and passion for IT and Web Development.

One of my favorite parts of coding is getting over that one error that I ironically deem "un-fixable". That one error that has you stuck for maybe hours at end. But when you figure out the solution, it feels like you have climbed a mountain. Now for those who haven't climbed a lot of mountains..or any (that would be myself) you could also relate it to closing a big sale (for all of you salesmen or saleswomen) or maybe finding your car keys that you have been looking for over a half an hour. None the less, it is a great feeling and if you love solving puzzles or fixing problems then Web Development might be for you as well.

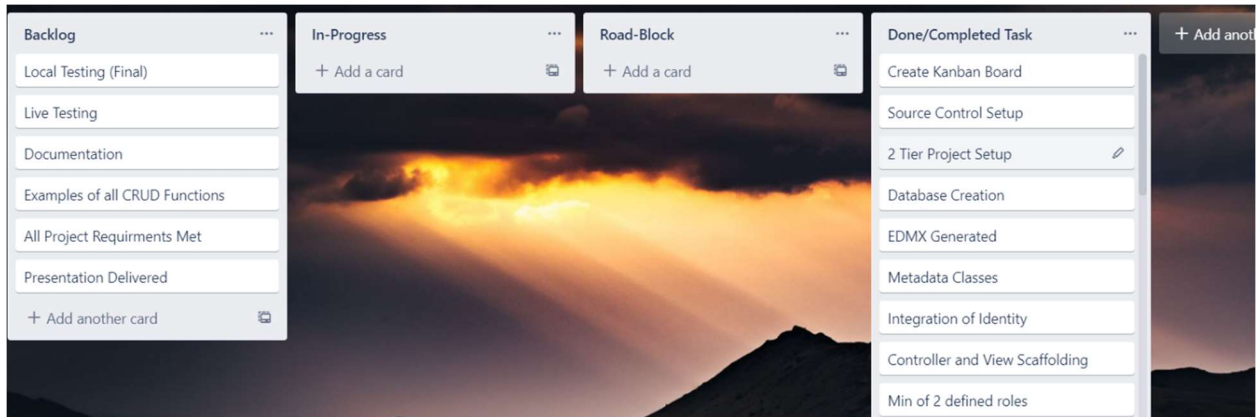
Below will be a few different snapshots of different things I either implemented in my project or that helped me stay organized along the way:

This is the Database Diagram below (Ctrl + Scroll to zoom):



Kanban Board/Trello Board

For my Kanban/Workflow board I used a site called Trello. It allows you to easily implement the Kanban principles we learned at Centriq to help keep track of “To-Do” items as well as others like “Road Block”, “In-Progress”, and “Done/Completed”. Below is an example of one looks like:



Code Examples:

Here is a code snippet of how I applied the functionality for an employee to apply for a open job position with one click of a button in the “OpenPositionsController”:

```
public ActionResult Apply(int id)
{
    Application app = new Application();
    app.UserId = User.Identity.GetUserId();
    app.OpenPositionId = id;
    app.ApplicationDate = DateTime.Now;
    app.ManagerNotes = " ";
    app.ApplicationStatus = 3;
    string userId = User.Identity.GetUserId();
    UserDetail ud = db.UserDetails.Where(x => x.UserId == userId).SingleOrDefault();
    if (ud.ResumeFileName == null)
    {
        Session["ErrorMessage"] = "PLEASE ADD A RESUME TO YOUR PROFILE TO APPLY";
        return RedirectToAction("Index");
    } //end if
    Session["ErrorMessage"] = null;
    app.ResumeFileName = ud.ResumeFileName;
    db.Applications.Add(app);
    db.SaveChanges();

    return RedirectToAction("Index", "OpenPositions");
} //end result
```

Here is a snippet of how I implemented the functionality to only allow managers to view and have CRUD functionality on applications that were ONLY submitted to positions at THEIR location:

```
[Authorize]
public ActionResult Index()
{
    if (Request.IsAuthenticated && User.IsInRole("Manager"))
    {
        string userId = User.Identity.GetUserId();

        var manApplications = db.Applications.Where(man => man.OpenPosition.Location.ManagerId == userId).Include(o =>
            o.OpenPosition.Location).Include(o => o.OpenPosition.Position);

        return View(manApplications.ToList());
    }

    if (Request.IsAuthenticated && User.IsInRole("Employee"))
    {
        string userId = User.Identity.GetUserId();

        var empApplication = db.Applications.Where(emp => emp.UserId == userId);

        return View(empApplication.ToList());
    }

    var applications = db.Applications.Include(a => a.ApplicationStatus).Include(a => a.OpenPosition).Include(a =>
        a.UserDetail);
    return View(applications.ToList());
}
```


RESUME

DYLAN SCHWARZ

FULL-STACK DEVELOPER

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SUMMARY OF QUALIFICATIONS

- Solid foundational knowledge of designing and developing full-stack web applications using .NET framework.
- Proven ability to work effectively as a team, manage time, and prioritize workload to achieve goals.

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.dylanschwarz.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
Full-Stack Web Developer Program

Graduated - April 2nd 2021

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.
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PROFESSIONAL EXPERIENCE

United States Army Missouri National Guard, Kansas City, MO
Combat Engineer / 1141st Sapper Engineer Co.

April 2015 – April 2021

- Work in a team-based environment while utilizing the proper chain of command.
- Learn the different type of skills that are specific to the MOS (Military Job).
- Utilize discipline in adverse times and work to keep morale up with the company/platoon.

Mylo Insurance, Kansas City, MO
Internet Insurance Broker

Jan 2020 – Dec 2020

- Completed licensing program to sell products from insurance companies across all 50 states.
- Worked remotely and communicated via Zoom.
- Communicated with developers on how to make the sales process more efficient.

Farmers Insurance, Overland Park, KS
Insurance Agent

Jan 2019 – Jan 2020

- Grew business by selling different types of insurance protection products.
- Worked with a team of agents on creating a sufficient budget for public events to prospect and build the agency.
- Stored all customer data in the Farmers UI agent web application to have on hand for communication and sales.

Sprint, Kansas City, MO
Assistant Store Manager

Nov 2016 – Dec 2018

- Managed a team of Sales Agents to assist in their success in hitting sales goals.
 - Oversaw customer experience and helped ensure effective customer service.
 - Adapted to new products and became a subject matter expert in order to help the sales agents on achieving their goals and the store's goals.
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