



# Internal Job Board

W. Michael Jagers | Full Stack Web Developer | July 22<sup>nd</sup>, 2021

[fsdp.michaeljagers.net](https://fsdp.michaeljagers.net)

## **/ About the Developer /**

Michael Jagers resides in Northern Kansas City, MO with his wife, Jamie, and two children. As a developer in the industry for five years already, he sought the opportunity to hone his skills and increase his marketability through Centriq. Completing an accelerated course load on top of an already demanding 9-5, he learned valuable lessons in time management and opportunity cost. Nothing worth doing comes easy...

In his free time, he enjoys fitness, weightlifting and martial arts.

## **/ Project Synopsis /**

The goal of this application was to create an easily accessible, mobile-responsive friendly way for current TechSavvy employees to search for and apply to internal job openings.

In order to apply, a resume is required and the ability to upload and manage their resume is available with an account.

TechSavvy Managers in the application will be able to open new positions in their location, view incoming applications, add notes, and ultimately accept or decline an applicant from a position.

Administrators will have the ability to add new locations as the company expands, as well as add additional positions to the pool for availability to managers.

## / Permissions /

Home	Index	About	Contact
Admin	X	X	X
Manager	X	X	X
Employee	X	X	X

Applications	Index	Details	Create	Edit	Delete	MyApplications
Admin	X	X				
Manager	X	X	X	X	X	
Employee						X

ApplicationStatus	Index	Details	Create	Edit	Delete
Admin	X	X	X	X	X

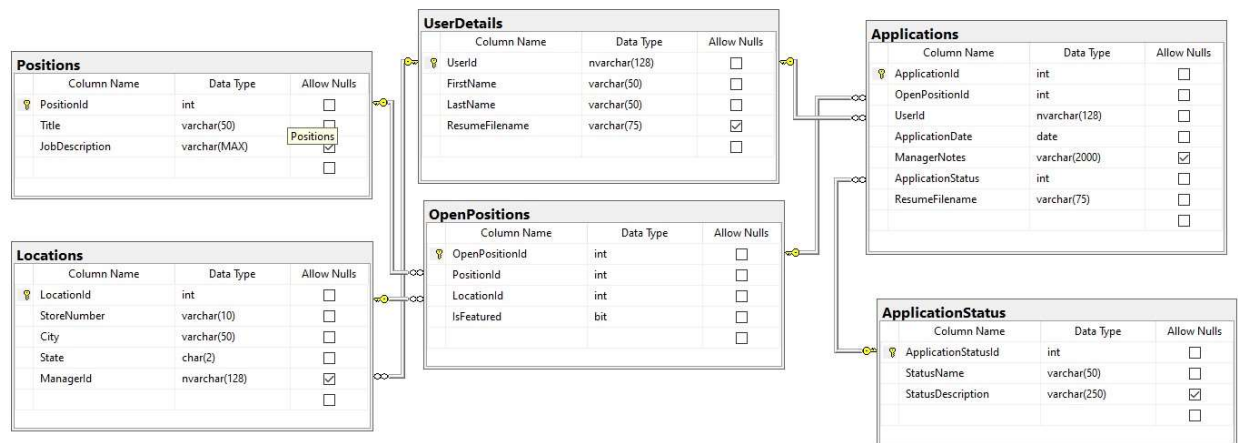
Locations	Index	Details	Create	Edit	Delete
Admin	X	X	X	X	X

OpenPositions	Index	Details	Create	Edit	Delete	FindJob	JobDetails
Admin	X	X	X	X	X	X	X
Manager	X	X	X	X	X	X	X
Employee						X	X

Positions	Index	Details	Create	Edit	Delete
Admin	X	X	X	X	X

Manage	UploadResume
Employee	X

## / ER Diagram /



Microsoft SQL was used as the database to store information on users, positions, locations, applications and more.

The entire project was version-controlled using git and is viewable at <https://github.com/michaeljaggers/JobBoard>

## / UI Highlights /

The application frankly speaks for itself here and must be viewed in its entirety to fully appreciate it's cohesiveness.

However, there are a few things I would be happy to highlight for you to be on the lookout for when browsing:

- Index position preview list and featured jobs section
- Index counter section with live data on openings, resumes and user accounts
- Separate listings page from management with keyword search filtering and paging
- Separate job details page from management tailored for applicants

- A 'My Applications' page for employees to view current applications
- Altered edit functionality allowing only necessary fields for managers to ensure data integrity
- Custom field data created to make management of locations and positions easier
- One-click apply for employees only, plus redirect to applications
- Workflow for applicants when a resume is not present

## / Code Snippets /

```
// GET: OpenPositions/FindJob
public ActionResult FindJob(string currentFilter, string searchString, int? page)
{
    int pageSize = 6;
    int pageNumber = (page ?? 1);

    if (searchString != null)
    {
        page = 1;
    }
    else
    {
        searchString = currentFilter;
    }

    ViewBag.CurrentFilter = searchString;

    var openPositions = db.OpenPositions1.Include(o => o.Location).Include(o => o.Position)
                                          .OrderBy(o => o.Position.Title);

    if (!String.IsNullOrEmpty(searchString))
    {
        openPositions = openPositions.Where(o => o.Position.Title.Contains(searchString)
                                              || o.Location.City.Contains(searchString)
                                              || o.Location.State.Contains(searchString))
                                      .OrderBy(o => o.Position.Title);
    }

    return View(openPositions.ToPagedList(pageNumber, pageSize));
}
```

*Keyword search filtering and paging.*

```

// POST: Applications/Create
[HttpPost]
[ValidateAntiForgeryToken]
[Authorize(Roles = "Employee")]
public ActionResult Create(int openPositionId)
{
    Applications applications = new Applications();

    var userId = User.Identity.GetUserId();
    var userDeets = db.UserDetails1.FirstOrDefault(u => u.UserId == userId);
    string userResume = null;

    if (userDeets != null)
    {
        userResume = userDeets.ResumeFilename;
    }

    if (userResume != null)
    {
        applications.OpenPositionId = openPositionId;
        applications.UserId = User.Identity.GetUserId();
        applications.ApplicationDate = DateTime.Now;
        applications.ApplicationStatus = 3;
        applications.ResumeFilename = userResume;

        if (ModelState.IsValid)
        {
            db.Applications1.Add(applications);
            db.SaveChanges();
            return RedirectToAction("MyApplications");
        }
    }
    else
    {
        Session["message"] = "A resume is necessary to apply for positions.";
        return RedirectToAction("UploadResume", "Manage");
    }
}

ViewBag.ApplicationStatus = new SelectList(db.ApplicationStatus1, "ApplicationStatusId",
    "StatusName", applications.ApplicationStatus);
ViewBag.OpenPositionId = new SelectList(db.OpenPositions1, "OpenPositionId", "PositionId",
    applications.OpenPositionId);
ViewBag.UserId = new SelectList(db.UserDetails1, "UserId", "FullName", applications.UserId);
return View(applications);
}

```

*One-click position application process with redirect.*

# W MICHAEL JAGGERS

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## FULL STACK DEVELOPER

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**.NET Framework**

**Full Stack Web Application Design**

**C# Fundamentals**

**Database Management**

**Unit Testing**

**Software Development Lifecycle**

**Agile Scrum Methodology**

**Continued Growth in IT Knowledge**

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## TECHNICAL AND PROFESSIONAL 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

**Professional Skills:** Version Control (Git), Adobe Photoshop, Troubleshooting, Critical Thinking, Communication, Project Management Fundamentals, Teamwork

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## INDEPENDENT DEVELOPMENT PROJECTS

- **Personal Site:** Created an MVC personal site to showcase abilities, projects, teammates, and allow for easy communication.
  - **StoreFront:** Created a secure application for managing product data. Application is built to simulate an online store front with a shopping cart. Administrators can 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.
  - **JobBoard:** 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 can manage employee, department data and all details relating to assigned hardware and software.
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## TECHNICAL TRAINING

**Full Stack Web Developer Program, Centriq Training**  
Kansas City, MO

Graduation 07/22/2021

- MVC Framework
- Trouble Shooting & Debugging
- Source Control
- Agile/Scrum (Created Team Project)
- Website Deployment
- Pair Programming
- Code Review

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## WORK EXPERIENCE

### **UI Engineer I, Dealer.com**

07/2021 – Present

Mission, KS

- Develop Enterprise level user interfaces in React.js

### **Web Developer II, Dealer.com**

12/2017 – 07/2021

Mission, KS

- Implement advanced changes to DDC sites using HTML5, XML, Velocity, CSS3 and JavaScript.
- Troubleshoot and research issues using browser developer tools.
- Write supporting software on an in-house platform called Gopher to automate production. tasks using JavaScript and GitHub, deployed to AWS through Jenkins.
- Code-review pull-requests into the Gopher GitHub repository.
- Implement custom designs from SOW mock-ups using the Dealer.com CMS platform.

### **Technical Project Manager, Dealer.com**

08/2016 – 12/2017

Mission, KS

- Technical Project Manager for the Implementation Development team.
- Managed a queue of incoming work tasks.
- Vetted potential work as viable for the team.
- Acted as a resource on development related topics to Project Managers.

### **Senior Project Manager, Dealer.com**

07/2016 – 08/2016

Mission, KS

- Senior-level Website Implementation contributor.
- Configured websites on the Dealer.com CMS platform to dealer specifications.
- Managed multiple ongoing site build projects simultaneously.

### **Front-End Designer I, VinSolutions**

09/2015 – 07/2016

Mission, KS

- Designed, developed, and tested HTML and CSS that meet accessibility and browser standards.
- Utilized responsive design principles in desktop, mobile, and tablet environments.
- Interpreted existing website design and style guides by creating pixel-perfect web pages from mockups.

### **Website Tech Ops Specialist, VinSolutions**

09/2015 – 07/2016

Mission, KS

- Performed 'Website Account Manager' responsibilities for all Lexus accounts.
- Managed the Salesforce client queue to ensure 24-hour turnaround on dealer requests.