**Joe Steinbring, MBA**

Location: Glendale, WI

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# Work Experience

## Senior Full-Stack Developer

**Bader Rutter** | July 2021 - February 2024

I maintained an internal sales tool that is used by [Zoetis](https://www.zoetis.com/). It used [Vue.js](https://vuejs.org/), [Pitcher](https://www.pitcher.com/), [Salesforce](https://www.salesforce.com/), and [Crownpeak](https://www.crownpeak.com/).

I maintained and developed enhancements for [Brevant.com](https://brevant.com/) using [Vue.js](https://vuejs.org/), [Nuxt.JS](https://nuxtjs.org/), [Marketo](https://www.marketo.com/), and [Strapi](https://strapi.io/).

I enhanced and maintained [phytogencottonseed.com](https://phytogencottonseed.com/) using [.NET](https://dotnet.microsoft.com/en-us/), [Vue.js](https://vuejs.org/), and [Eloqua](https://www.oracle.com/cx/marketing/automation/).

I designed and developed a progressive web application for [Douglas Products](https://douglasproducts.com/) using [Vue.js](https://vuejs.org/) and [Firebase](https://firebase.google.com/).

I regularly researched and presented new technical concepts to the agency's development team.

I served on a team with the mandate to standardize agency development practices.

I served on an AI working group where I developed a retrieval-augmented generation system for the agency.

I introduced the company to using Microsoft Entra ID for cloud-based identity and access management with web applications.

## Web Application Engineer

**University of Wisconsin, Milwaukee** | June 2016 - July 2021

[The Office of Information Technology and Analysis serves both the Office of Research and the Graduate School.](https://uwm.edu/graduateschool/)

[I maintained the WordPress-based websites used by both the Office of Research and the Graduate School.](https://uwm.edu/graduateschool/)

I assisted the centers under the [Office of Research](https://uwm.edu/officeofresearch/) with their web needs.

I maintained the business automation systems behind the Fellowship Competition, Doctoral Milestones, the Graduation Application, and more.

At the point where I was hired, all business automation systems where [cfwheels](https://cfwheels.org/)-based [ColdFusion](https://jws.news/tag/coldfusion/) applications, using an [Oracle RDBMS](https://en.wikipedia.org/wiki/Oracle_Database) database.

After joining the ITA office, I helped create [UWM Shared Web Application Hosting Environment](https://uwm.edu/swapp/), which allows [UWM](https://uwm.edu/) units to host [PHP](https://jws.news/tag/php/) / [MariaDB](https://mariadb.com/) applications.

Once the [PHP environment](https://uwm.edu/swapp/purpose/) became available, I started rewriting all of the business automation systems to use [Laravel](https://laravel.com/), [Vue.JS](https://jws.news/tag/vue-js/), and [Bulma](https://jws.news/tag/bulma/).

In 2019, I started a 3-year term as a representative on the [UWM](https://uwm.edu/) [Academic Staff Senate](https://uwm.edu/secu/as/senate/).

I was a member of the Office of Research's Talent Management Working Group.

## Application Developer

**QM Quality Matters** | January 2015 - June 2016

I mainly worked on the [MyQM](https://www.qmprogram.org/myqm/), [CRMS](https://www.qualitymatters.org/qm-membership/faqs/course-review-management-system), and [MyCR](https://www.qmprogram.org/mycr/) systems.

The systems were custom built using [ColdFusion](https://jws.news/tag/coldfusion/) and [MS SQL Server](https://www.microsoft.com/en-us/sql-server/default.aspx). The client-side code that they used when I got there was using a lot of [jQuery](https://jquery.com/). I introduced them to [Rivets.js](https://jws.news/tag/rivets-js/) and rewrote a lot of their dashboards to use it.

The organization funds itself through sales of memberships, so most of my work isn't publicly accessible.

## Senior Application Developer

**Starkmedia** | June 2012 - October 2014

I mainly made systems that allowed [Starkmedia](https://www.starkmedia.com/)'s clients to update their own websites. Clients that I worked with included Red Arrow, [Artisan Partners](https://www.artisanpartners.com/), [Mandel Group](https://mandelgroup.com/), and [Calf-Tel](https://www.calftel.com/en). Very few of my projects were [greenfield](https://en.wikipedia.org/wiki/Greenfield_project) but I was able to introduce some innovations and tweak how things were done.

[Starkmedia](https://www.starkmedia.com/) mainly used [ColdFusion](https://coldfusion.adobe.com/) and [MS SQL Server](https://www.microsoft.com/en-us/sql-server/default.aspx). I introduced [AngularJS](https://angularjs.org/) 1.x, [PhoneGap](https://jws.news/tag/phonegap/), and [Git](https://git-scm.com/) into the organization while I was there.

## ColdFusion Developer

**Experis at Kohler Co.** | May 2011 - June 2012

I developed enhancements for an internal corporate transaction tracking system. It was an intranet application that handled vetting of all corporate expenditures at [Kohler](http://www.kohlercompany.com/) (everything from new hires to the opening of a new production facility or the resurfacing of a parking lot).

The system used [ColdFusion](https://coldfusion.adobe.com/) and [Oracle RDBMS](https://en.wikipedia.org/wiki/Oracle_Database).

## Web Application Developer

**University of Wisconsin, Milwaukee** | Feb 2006 - May 2011

I developed and maintained the [College of Letters and Science](https://uwm.edu/letters-science/)' portfolio of custom business automation systems.

They used [ColdFusion](https://coldfusion.adobe.com/) and [Oracle RDBMS](https://en.wikipedia.org/wiki/Oracle_Database).

I helped to migrate existing websites to [PaperThin CommonSpot](https://www.paperthin.com/products/commonspot-cms.cfm)

I hired, trained, and managed a team of web application developers I developed the annual departmental budget

# Skills

**Programming Languages:**

[n](https://jws.dev/experience.html#python)

[tho](https://jws.dev/experience.html#python)

[y](https://jws.dev/experience.html#python)

[P](https://jws.dev/experience.html#python)

,

[JavaScrip](https://jws.dev/experience.html#javascript)

[t](https://jws.dev/experience.html#javascript)

,

[HTM](https://jws.dev/experience.html#html)

[L](https://jws.dev/experience.html#html)

,

[S](https://jws.dev/experience.html#css)

[CS](https://jws.dev/experience.html#css)

,

[PH](https://jws.dev/experience.html#php)

[P](https://jws.dev/experience.html#php)

,

[SQ](https://jws.dev/experience.html#sql)

[L](https://jws.dev/experience.html#sql)

**Tools and Frameworks:** Git, PyTorch, scikit-learn, Vue, React, jQuery, Node.js, Laravel, Lit, Firebase,

MongoDB, Chroma DB, MariaDB, Oracle RDBMS, SQL Server, Shoelace, Bulma, Bootstrap, WordPress, Ollama

# Education

**MBA, Business Administration**

Cardinal Stritch University, Glendale, WI | 2009-2012

**BBA, Management Information Systems**

University of Wisconsin-Milwaukee - Lubar School of Business, Milwaukee, WI | 2001-2005