

Career Summary:

I have been a developer and artist in many different aspects since 2002. I originally formed Studio JAW to be a web shop, using ASP and Microsoft server technologies. As years went on I found myself getting more involved in LAMP stack development and low level C++ game development. I feel the both combined drove my interest in improving as an artist, as it was needed for each. More recently, I've been doing work in VR. Because of my shared collection of skills, I have been able to excel in VR the most. So in summary, you could call me a, “Full Stack VR Engineer and Artist”.

Most Relevant Work Experience:

StudioJAW (Owner, Software Engineer, Artist)

September 2002 – present, New York, NY

- 2 released video game titles
- Current active game project: <http://theangelproject.studiojaw.com/>
- Various Contracts and sub-contracts for Software development and IT, for various businesses throughout West Michigan.
- Technologies used: C++, Mufti-Threaded Development, openGL, PHP, CSS, CSS3, Javascript, jQuery, HTML, HTML5, LAMP, Adobe CS, OOP, Cubase, FL Studio, VST's, Unity 3D, C#, MYSQL, PostgreSQL

The Glimpse Group (Project Manager of Productization, Staff Software Engineer)

May 2019 – Mar 2020, New York, NY

- Conversion of Projects into Products, generalizing the product for a wider customer base.
- Lead, teach, and train other developers for various projects and the technologies we use.
- Technologies used: VR, HLSL, C++, Unreal Engine 4, C#, Unity 3D, blender, Adobe CS, python, Jira, PostgreSQL, WebGL, Android, Agile and many others.

Virtual Reality at Western Michigan University (Software Development Engineer)

(Jan 2019 – Mar 2019)

- VR Nurse Training Simulation designed for the College of Health and Human Services.
- Helped lead team in software and Art technologies
- Technologies used: C#, unity, VR Physics Logic and Design, blender/maya/3dsmax

Level Data – Web Engineer (Web Application Developer / System Administration)

(Aug 2014 – Mar 2015)

- Designed and Released 2 products for the company.
- Contribute to wire-frames, specifications, use cases, and proof-of-concepts for web-based projects
- Build web applications, ReST endpoints, JavaScript libraries, etc for specific applications and shared resources
- Configure, administer and document the operation of web systems (apache, tomcat, etc) and the continuous integration system (source control, deployment)
- Technologies used: Java(Android), GRAILS, Linux, PHP, CSS, Javascript, Jquery, HTML, SQL(MYSQL, Oracle, MS SQL), Linux Administration(Cent OS), Windows Server Administration (server 2008-2012), Apache, LAMP, HTML5, CSS3, Angular.js, OOP

Beakr Studios – Programmer (Web Application Developer / Android)

(Nov 2013 – Dec 2013)

- Custom OS design using CyanogenMod
- Miscellaneous Web Application Development for various clients.
- Technologies used: Java(Android), Linux from scratch, PHP, CSS, Javascript, JQuery, HTML, SQL(MYSQL), Linux Administration(Ubuntu), Apache, LAMP, JQuery Mobile, responsive web design, HTML5, CSS3, OOP

Traumasoftware – Senior Web Application Engineer

(May 2012 – June 2013)

- Lead the development on 2 modules for the Ambulance Dispatch FBO product.
- Aided in creating a custom framework for the software.
- Created new documentation, best practices, standards and policies, tutorials, guidelines, and procedures for programmers of the company for a framework that I aided in design.
- Technologies used: PHP, CSS, Javascript, JQuery, JQuery UI, JQuery Mobile, HTML, SQL(MYSQL), Java(Android), Linux Administration(Ubuntu), Bash, EmberJS, Node.js, Enyo.js, handlebars.js/moustache.js, LAMP, nginx, Underscore.js, responsive web design, AJAX, REST, HTML5, CSS3, OOP

Eaton Corporation – Web Application Developer

(June 2010 – May 2012)

- Designed several new web applications used by internal users to the company.
- Maintained and migrated web applications for the Roadranger Field Marketing (RFM) department.
- Technologies used: ASP(Classic), ASP.net, HTML, Javascript, Mootools, CSS, Windows Server Administration, photoshop, SQL (Oracle, Access, MSSql), VB.net, responsive web design, AJAX, HTML5, CSS3, OOP

Diamond Phoenix Corporation – Software Engineer (Web Application Developer)

(August 2008 – March 2009)

- Developed an application for verifying pics with a barcode scanner using C#.
- Co-developed “Web Admin”, a PHP based web front end to the carousel system software.
- Built several front-end applications from template for various clients using C++.
- Technologies used: PHP, Prototype.js, C++, C#, Windows Forms, .Net, javascript, CSS, HTML, SQL (Sybase), OOP

Premier Products Incorporated – Head of IT

(September 2007 – August 2008)

- Developed an intranet from ground up for managing the QAD, File, Mail, and Asterisk servers as well as communicating information.
- Managed and migrated all hard ware from one facility to another, as well as wiring and documenting the new facility layout.
- Designed from scratch, the Asterisk PBX system using custom ALG scripts and plugins.
- Technologies used: C++, Bash, Windows BAT, Windows Server Administration, Asterisk, Schedule tasking and Cron, photoshop, php, apache, linux, gentoo, QAD, postfix, progress, CSS, HTML, SQL (MySQL), OOP

Education:

Kalamazoo Valley Community College (Aug 2009 – May 2012) Graphic Design (AAS) – Associates Degree

Western Michigan University (Aug 2018 – Aug 2019) Computer Science – Senior