

PROFESSIONAL EXPERIENCE

Niantic Labs

May 2022 to June 2023

Senior Software Engineer

1 Ferry Bldg ste 200, San Francisco, Ca 94111

- Create client apis for game teams to send telemetry data to analytic servers.
- Design, create and implement a newsfeed service for marketing to send game notifications to players.
- Design software apis for game integration with backend systems.
- Architect unified structure across all client projects to ensure uniformity and ease of integration.
- Test implementations in Unity based mock software.
- Unit test design using mocks and asserts through NUnit.
- Build locally with Gradle, Android Studio, and Xcode.

Caterpillar

October 2019 to May 2022

Unity 3D Application Developer

501 SW, Jefferson Ave, Peoria, Il 61630

- Develop and maintain a content creation tool for troubleshooting Caterpillar machines.
- Integrate 3D models of multiple types, fbx, pvc, unity bundle.
- Develop 3D model manipulation to extract metadata, such as part numbers.
- Develop integration with APIs to load and save data to backend databases.
- Assist in managing database structure, design, and quality of data.
- Work with business to implement new features.
- Work with business to design UI/UX.
- Develop new innovation projects resulting from business needs.

Underbite Games

March 2017 to September 2019

Unity 3D Game Developer

3680 44th St SE, Kentwood, Mi 49512

- Develop companion mobile application for Malifaux tabletop game on Android and iOS
- Develop using Unity 3D application and Visual Studio in C#
- Develop Tournament app for window application to communicate with mobile app
- Design, Diagram, and Implement class structure.
- Leverage Amazon Web Services for online integration.
- Leverage Amazon relational/non-relation online databases for persisting data worldwide.
- Develop a user portal in Microsoft MVC.
- Develop UI/UX solutions for navigating menus.
- Integrate 2D/3D assets into projects.

Red Cedar Solutions Group (Contractor)

February 2016 to March 2017

Web Application Developer

321 W Lake Lansing Rd, East Lansing, Mi 48823

- Maintaining web application for state education records written in C#
- Create Dynamic SQL to pull customized queries from the database.
- Classes organized in an MVC pattern.
- Classes organized in a 3 tier pattern.
- Utilize Telerik controls to display data in grid and chart form.
- Utilize LINQ to filter data for specific charts or grids

RMC (Contractor with Red Cedar Solutions Group)

February 2016 to October 2016

Web Application Developer

321 W Lake Lansing Rd, East Lansing, Mi 48823

- Maintaining web application for state education records written in C#
- Create Dynamic SQL to pull customized queries from the database.
- Classes organized in an MVC pattern.
- Classes organized in a 3 tier pattern.
- Utilize Telerik controls to display data in grid and chart form.
- Utilize LINQ to filter data for specific charts or grids.

GettyImages (Contractor)

October 2015 to December 2015

605 5th Ave South, Suite 400 Seattle, WA 98104

Programmer Analyst

- Developed and maintained internal web services for internal use with SOA in mind
- Applications written using the C# .NET language
- Leveraged multiple frameworks including, NHibernate, Swagger, WebAPI, Kekiri testing
- Maintained deprecated SOAP endpoints or converted them to WebAPI as needed.
- Worked in an Agile environment with paired programming.
- Developed in a multi-tier enterprise level architecture.

MESSA (Contractor)

February 2015 to September 2015

1475 Kendale Blvd, East Lansing, Mi 48826

Web Application Developer

- Development and maintenance of internal/external website utilizing the Microsoft C# .NET development platform, HTML, CSS, and Javascript.
- Leveraged multiple frameworks and libraries such as, Bootstrap, FormValidation.io, Web-API, and JQuery.
- Created services for client code to connect to using Web-API.
- Worked with a content management system called DotNetNuke.
- Assisted in designing and implementing front to back solutions for the website.
- Assisted in testing and deployment of the website to various environments.

Two Men and a Truck

August 2013 to February 2015

3400 Belle Chase Way, Lansing, Mi 48911

(817)263-6444

Web Application Developer

- Development and maintenance of web based business applications utilizing the Microsoft C# .NET development platform, HTML, CSS, and JavaScript.
- Developed in an Agile environment.
- Utilized Visual Studio Bug Tracking and Team Foundation Server.
- Queried datasets using LINQ to populate UI fields.
- Development and maintenance of MS SQL Server databases, and stored procedures.
- Data layer Base classes generated using MyGeneration, a third party application and extended with partial classes.
- Wrote custom tools for Finance Department to complete repetitive database tasks.
- Created, maintained, and customized SSRS reports in .NET using RDLC's.
- Wrote technical documentation.

EDUCATION

Davenport University, Lansing, Michigan - Bachelor's of Applied Science 2010 for Game Theory and Design.

SKILLS

- 1+ years working with CI/CD in GitLab,
 - 1+ years working with Gradle for local builds.
 - 5 years working with Unity3D
 - 5+ years using WCF, Web API, and other Web Services
 - 5+ years using SQL Server Management Studio, which includes administration, table creation, and writing stored procedures.
 - 5+ years using JavaScript, JQuery, JSON and AJAX.
 - 10+ years developing in APIs for web and mobile.
 - 10+ years developing enterprise applications using C#.NET.
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CERTIFICATIONS

- A+
- Network +