

## Software Developer

I have great adaptability, the ability to work collaboratively with cross-functional teams, learn new skills quickly and am always interested in new challenges. I am self-driven, motivated and quickly adjust to new conditions. I possess good communication skills and can tackle problems and situations with sensitivity and proactively. I consistently contribute to the achievement of both team and personal goals, don't hesitate to ask what I don't know, do the research and get things done.

 Languages Spanish Native English Professional

## Experience



### Toptal

Nov 2012 - Present

### Alteryx

via Toptal

Aug 2020 - Jan 2024

Implemented accessibility guidelines, requirements and screen reader support on flagship desktop and cloud products, enabling users of assistive technologies to manipulate, modify, move and perform any other possible actions using only the keyboard within workflow diagrams and navigate to other parts of the applications. Also allowing power users to manage their workflows much more quickly by not having to click and drag. Simply making tools compliant is not sufficient which lead to some code refactoring and partial redesign of tools to make them more useful and intuitive for better usability and user experience.

- Added keyboard navigation, manipulation and screen reader support to workflow diagrams components which at the time no one else had and did not exist on the market using C# and Windows Forms.
- Updated, refactored and developed custom accessibility objects for in-house and third-party Windows Forms components to enable screen reader support and keyboard navigation improving usability and overall user experience using C# and Windows Forms.
- Updated, refactored and redesigned a variety of controls and user interfaces to enable accessibility features which included form inputs, multi-level menus, dialogs, tree views, datagrids, toolbars, workflow diagrams, split views, tool selectors and others improving usability and overall user experience.
- Updated and refactored custom components to better integrate accessibility features and keyboard navigation using Javascript and React.
- Updated and created new user interface automated tests using C# and White Framework.

Accessibility Automated UI Testing C# Chromium Embedded Framework (CEF) GoJS Javascript Material UI MindFusion Diagrams NVDA React  
React Virtualized Scrum SourceGrid Syncfusion Telerik WinForms TestStack.White Windows Forms

### Fremantle Productions

Apr 2021 - May 2021

Developed a web application to allow Show Producers to continue their work from home during COVID-19 restrictions and still be able to view all camera angles live while TV shows are being broadcast.

- Developed millicast Javascript API client to use on website.
- Developed web application to view live camera streams of tv shows.
- Developed user and role management user interface using ASP.NET Core Razor Pages and Identity.

ASP.NET Core ASP.NET Core Identity AWS EC2 C# Dolby.io Entity Framework Core Javascript MariaDb Millicast NSwag Razor Pages

## Reebok CrossFit Games 2020

Jul 2020 - Aug 2020

Developed a web application to enable Athletes to stream or upload their trial and competition videos for Judges to review. This application allowed Athletes and Judges to interact without having to travel around the world during COVID-19 restrictions.

- Developed a web application for streaming and uploading trial and competition videos for judges to review using ASP.NET Core Razor Pages.
- Transcoded user uploaded videos to more compatible format using FFmpeg.
- Developed user and role management user interface using ASP.NET Core Razor Pages and Identity.

ASP.NET Core

ASP.NET Core Identity

AWS EC2

AWS S3 Storage

C#

Entity Framework Core

FFmpeg

Javascript

MariaDb

Razor Pages

## Advanced Audio Systems / FuneralVue via Toptal

Mar 2020 - Aug 2020

Added new and updated existing features desktop and web applications. Created new applications to help provide better service to customers and help automate long tedious tasks for company workers.

- Updated the client's main Windows Forms application with their new brand and brought some code closer to up to date, added new features along with some layout fixes.
- Updated and added new features to management website written in PHP.
- Created checkout page with DVD packaging customization and Stripe payment using Vue.
- Created web application using React with which users can stream their live events directly from a mobile device, reducing the time customers need to start using FuneralVue services and enable mobility.
- Created application to automate DVD ISO image creation from mp4 videos using Windows Services for executing long-running tasks and a WPF desktop application used for configuring and controlling the service and displaying desktop notifications which drastically reduced the amount of time and attention spent on that task.

ASP.NET Core

C#

CakePHP

Docker

FFmpeg

Javascript

Larix Broadcaster

MySQL

PHP

Powershell

React

Redux

SQL

Stripe

Vue

Windows Forms

Wowza

WPF

XAML

## Evolution Software via Toptal

Mar 2019 - Jan 2020

- Created modules using their custom framework built on top of ASP.NET for specific clients.
- Added an Entity Framework data layer replicating and automating actions taken by their custom data access layer which works with ADO.NET, and with it, considerably reducing the amount code needed to be written to perform some of those tasks leading to reduced development time.
- Added Web Api to reduce full-page postbacks in several commonly used pages and KnockoutJS for client side datagrid processing which greatly improved overall performance and user experience.
- Edited database queries, columns and stored procedures to get faster results.

ASP.NET

ASP.NET Web API

ASP.NET Web Forms

C#

Entity Framework

Javascript

KnockoutJS

SQL

SQL Server

## Breakthrough / MDLive, Inc. via Nearsoft

Sep 2015 - Aug 2019

I was involved and worked alongside product design, ux, dev ops and other development teams to build, integrate and deploy great products that were composed of several back and front-end services and components.

- Created WebRTC Signalling server using Websync C# libraries.
- Created WebRTC client for the web using Icelink Javascript library and React.
- Created C# WebRTC client to use for audio recording.
- Developed Azure Function to synchronize, merge, encode and backup audio recordings and make them available for review if necessary.
- Integrated WebRTC clients into Ruby on Rails websites.
- Integrated Office 365 login with UWP application.
- Created a Ruby gem to map between JSON and XML request/response messages from internal applications to Surescripts XML API.
- Worked with iOS and Android development teams to help with integration of video conferencing application
- Worked with DevOps team to help with infrastructure provisioning and deployment of server-side applications on Azure.

ASP.NET

ASP.NET MVC

ASP.NET Web API

Azure Functions

Azure Queues

Azure Storage

C#

Docker for Windows

FFmpeg

Icelink

Javascript

JSON

Powershell

React

Ruby

Ruby on Rails

Scrum

Surescripts

WebRTC

Websync

XML

## Nearsoft

Sep 2015 - Aug 2019

## D4 Software via Toptal

Apr 2015 - Jun 2015

Helped with several development tasks on ASP.NET MVC websites like adding typeahead search boxes for improved user experience, sending emails with background tasks and keeping track of email views.

ASP.NET ASP.NET MVC ASP.NET Web API C# Entity Framework Javascript jQuery KnockoutJS Sass SQL Server

## arex Rxchange GmbH via Toptal

Oct 2014 - Feb 2015

Updated and created ASP.NET MVC components to manage and keep track of medication, simplify access to information across orders, track and handle price change requests and process acceptance states in an online business to business marketplace for wholesale dealers located in the EU, trading EU or EU-registered medicinal products.

ASP.NET ASP.NET MVC C# Entity Framework Javascript jQuery SQL Server

## American Mortgage Consultants via Toptal

Jan 2013 - Sep 2014

Developed several ASP.NET Web Forms based tools and components to speed up claims and due diligence.

- ASP.NET Web Forms tool to create and automate Due Diligence tests to Loans.
- Component to manage Loan Stipulations as a User Control using ASP.NET Web Forms.
- Created a new component for reviewing Claims.
- Migrated data access code from ADO.NET to .netTiers.
- Updated and refactored several pages to improve performance and resource handling.

.netTiers ADO.NET ASP.NET ASP.NET Web API ASP.NET Web Forms C# Javascript jQuery KnockoutJS Scrum SQL SQL Server

## Serpico DEV

Oct 2011 - Jan 2013

- Created web application for tutors to help college students create and review professional profiles and assist with job and career placements.
- Integrated websites with Flypaper presentations, Javascript API clients and back-end database connectivity.
- Worked with the AppointmentPlus dev team to create a web api and Outlook add-in for synchronizing calendar events with AppointmentPlus appointments and contacts.

AppointmentPlus ASP.NET ASP.NET Web API ASP.NET Web Forms C# CakePHP Entity Framework Flypaper Javascript jQuery jQuery-UI  
JSON Kendo UI MySQL PHP Scrum SQL SQL Server

## Esurance via Hildebrando

Mar 2011 - Oct 2011

Migrated several sections of a web application used for managing insurance claims from ASP and VBScript to ASP.NET Web Forms and C# and developed web forms for new features.

ADO ADO.NET ASP ASP.NET ASP.NET Web Forms C# DevExpress Web Controls Javascript jQuery LINQ to SQL Scrum SQL SQL Server  
VBScript

## Hildebrando

Mar 2011 - Oct 2011

## YottaMark via Nearsoft

Jul 2010 - Mar 2011

Developed many components for traceability software that provides information to customers about origin and freshness of food, including a mobile application to scan bar and QR codes to display produce traceability information, back-end services to gather and process tracking events from several sources, web services and websites to display and manage gathered information.

ADO.NET ASP.NET ASP.NET Web Forms ASP.NET Web Services C# Compact Framework Scrum SOAP Services SQL SQL Server SQL Server CE  
WCF Windows Forms Windows Services WSDL XML

## Tiempo Development

Nov 2007 - Jan 2010

- Built application used for synchronizing video and time stamped deposition transcripts named Sanction using WPF and MVVM.
- Created libraries to synchronize audio and video and compress using lossless codecs using C#.
- Created self-extracting executable file that opened a standalone Flash-based full screen presentation using C++.
- Integrated several image and video search APIs and windows indexing services to add web and local search capabilities to Flypaper Studio.
- Integrated chart components into Flypaper Studio.

ASP.NET ASP.NET Web Forms ASP.NET Web Services C# C++ Dundas Charts Entity Framework Flypaper InstallShield Javascript jQuery  
LINQ to SQL MVVM Rich Chart Server Scrum SQL SQL Server Telerik Windows Forms WPF WSDL

## e-Business Consultores

Jan 2006 - Nov 2007

Website and web application development for several government dependencies and private businesses which included content management systems, e-learning websites, task trackers, digital signature integrations and verifications, product catalogs, file processing with windows services and client support.

ADO ADO.NET ASP ASP.NET ASP.NET Web Forms ASP.NET Web Services C# CSS HTML Javascript PKI Scrum SeguriData  
SQL Server VB.NET VBScript WSDL XML

## Cambio Sonora

Oct 2004 - Jan 2006

Developed, maintained and upgraded newspaper's public website, intranet modules and worked with the IT department when needed.

ASP CSS HTML Javascript SQL SQL Server VBScript

## Dextro International

May 2000 - Oct 2004

Design and development of dynamic websites using ASP and VBScript which included news publishing, content, news and image galleries management, product catalogs, shopping carts, online payment, mailing lists and others.

ADO ASP CSS HTML SQL SQL Server VBScript

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## Contact

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