

# JUSTIN L. ESPIRITU

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## SKILLS

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### Languages

- C#, Javascript, HTML/CSS, Typescript, Java, PHP, SQL, Python, C/C++, Batch, Latex

### Frameworks & Libraries

- .Net Core, .Net Framework, MVC, Vue, Angular 2+, AngularJS, jQuery/jQuery UI, Knockout, NodeJS, Teamcenter ITK, Teamcenter SOA

### Technologies & Tools

- Azure DevOps, Circle CI, Wordpress, Hugo, Github/GitLab, AWS, Pantheon, NopCommerce, inRiver, TFS, Trello, Jira, Google Analytics, Mercurial

### Databases

- MySQL, Microsoft SQL Server, Firebase

## EDUCATION

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### University of Wisconsin - Oshkosh

Computer Science | Software Engineering Emphasis

December 2018

Bachelor of Science

## PROFESSIONAL EXPERIENCE

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### Software Engineer

Rock Central

September 2021 - Present

Remote

- Full Stack Development
- Configure, design, & develop apps for internal & external use
- SME for multiple projects
- Collaborate with other engineers & associate engineers to solve issues
- Collaborate with business & product owners to create stories and make changes needed by the business
- Work with 'Guardian's of the Quality' to help the engineering team create quality of life changes and standards
- Created a git repo & git pages documentation for new engineers to streamline the process of onboarding
- Create readMe's and documentation for on going projects
- Run production deployments with product owners & other engineers
- Run bi-weekly knowledge shares

### Software Engineer

Aperture Labs LLC

August 2019 - August 2021

Waukesha, WI

- Full Stack Development
- Configure, design, & develop E-commerce websites with nopCommerce
- Design & Develop custom plugins for nopCommerce & EpiServer
- Design & Develop custom extensions for inRiver PIM
- Monthly Lunch & Learns we're developer share & teach new knowledge to other developers

### Teamcenter Implementations Engineer

Mercury Marine

January 2019 - July 2019

Fond Du Lac, WI

- Collaborate with local & remote team members in developing & executing Teamcenter solutions
- Configure teamcenter BMIDE, BOM Management, Workflows, Access control, Change Management, Dispatcher Configuration, & other Teamcenter Modules
- Customize Teamcenter using standard Teamcenter APIs
- Troubleshoot Teamcenter technical issues at various levels such as installation, deployment, & configuration
- Perform data modeling & data mapping process in assistance with business analysts & solution architects

### Web Application Developer

University of Wisconsin - Oshkosh

March 2017 - December 2018

Oshkosh, WI

- Rewrote the Advising Worksheet, an application for advisors at the Under Graduate Advising Resource Center (UARC) & Student Success Center (SSC) that streamlines the process of creating education/graduation plans for students, from plone to AngularJS.
- Created AngularJS directive for developer to accelerate & simplify the process to create multi-add fields to forms

- Provided detailed documentation in Confluence for developers to use newly created directives & applications

## Research Assistant

Jan 2017 - May 2017

*University of Wisconsin - Oshkosh*

*Oshkosh, WI*

- Created a program in Python 2 using the Natural Language Tool Kit (NLTK) library to gather data on articles & create simple summaries on provided articles.

## PROFESSIONAL PROJECTS

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### Checkmate

.Net Framework, jquery

- Created customization, functionality, maintain, & test
- Help run production deployments in Azure Devops
- Created documentation for setup for future engineers

### Allin Documentation Job

.Net Framework, Dev Ops

- Updated Devops build to allow business users to update documents pulled in from job

### Engineer On boarding Repo

Hugo, Git

- Created onboarding documentation for new engineers
- SME for project
- Introduced business to hugo for git pages documentation
- Introduced business team to git issues, projects, & git action
- Help create windows & macOS scripts to streamline the process of downloading tools and software

### guySupport

.Net Framework

- Created customization, functionality, maintain, & test
- Run production deployments through Azure Devops
- Created documentation for setup for future engineers

### DEI

Wordpress

- Created customization, functionality, maintain, & test
- Run production deployments through pantheon

### Allin

Wordpress

- Created customization, functionality, maintain, & test
- Run production deployments through Circle CI

### Drive

.Net Framework

- Updated UI for report pages to help business needs
- Run production deployments through Azure Devops

### GEP

.Net Core

- Feature Story
- Help create custom functionality, maintain, & test
- Help create models, services, and functionality for reading data from other services
- Research and collaborate with business to create & complete stories

### VendorDocs

.Net Framework

- Current SME for app
- Created unit test to reach the 85% code coverage
- Refactored code to achieve 85% code coverage
- Updated business logic to read new csv files without effecting old logic
- Communicate & collaborate with business & product owners to help create stories

### Cryptoblades

.Net Core

- Helped create the business logic infrastructure for Cryptoblades in .net core

### Secura

Epi Server

- Develop admin customizations to update website from the backend
- Redesign & create css for mainsite & blog
- Maintain & fix ongoing issues
- <https://www.secura.net/>

### Portescap

inRiver

- Develop plugin to create tables using data from inRiver PIM

- Integrate inRiver PIM with Adobe inDesign to create catalog pages
- Configure & initialize fields for Adobe inDesign integration
- Streamline the process of creating product catalog pages
- Create Documentation for Client on how to use inRiver & inDesign

#### **Osborn**

inRiver

- Develop customization to custom plugin to download & create cvs/excels of product images

#### **Aperture Labs**

inRiver

- Develop a custom plugin that integrated with removebg api
- Remove background from images that were put into the PIM
- Develop a schedule task that would run this on the server at scheduled time

#### **Ultrasource**

inRiver

- Initialize & configure inRiver PIM
- Import products into the PIM

#### **CSP**

nopCommerce

- Develop custom extension to create various print files
- Allowed CSP customers to create custom sign labels, custom safety equipment, multi-layer pdf, etc.
- Develop email system to help keep track of ongoing orders
- Maintain & fix ongoing issues

#### **Arbor Day Foundation**

nopCommerce

- Develop custom front end/customer functionality for e-commerce site
- Develop custom back end/admin functionality for e-commerce site
- Develop custom SQL queries, functions, & stored procedures
- Integrate Google Analytics to streamline business analytics
- Integrate ipgeolocation api to automatically get customer locations
- Maintain & fix ongoing issues
- <https://shop.arborday.org/>

#### **JJKeller**

nopCommerce

- Develop custom extension to create custom print labels
- Maintain & fix ongoing issues

#### **Aperture Labs**

inRiver

- Develop custom template & functionality for model state viewer
- Streamline the process of being able to add & delete model states

#### **Secura**

nopCommerce

- Develop custom reporting to keep track of ordered products for administration

#### **Teamcenter Support**

Teamcenter Solutions Engineer

- Provide daily support for Teamcenter Issues
- Create, debug, & Modify custom ITK code
- Collaborate & meet with team for daily stand-ups (Agile Methodology)
- Research & find solutions for issues noted in daily stand-ups

#### **Teamcenter Upgrade**

Teamcenter Implementations Engineer

- Upgrade multiple Teamcenter environments to Teamcenter 12.x
- Configure Teamcenter Servers to cloud based infrastructure (Azure)
- Review Teamcenter Production Environment configurations & extract all production configuration settings
- Deploy Active Workspace 4.1 for Teamcenter
- Integrate Solidworks with Teamcenter
- Establish a cache server
- Rebuild all current customization & conduct basic customization testing
- Deploy Active Work Space for Teamcenter
- Test, validate, & document Teamcenter Development environments

#### **Teamcenter Rollback**

Teamcenter Implementations Engineer

- Perform a full database & Teamcenter 11.4 rollback
- Create &/revise attributes using BMIDE
- Create backups & full documentation for client
- Deploy BMIDE Templates
- Revise attribute mapping for Solidworks integration

- Create custom queries for custom attributes/properties
- Create custom style sheets to display custom data
- Perform functional testing for BMIDE changes

### **Teamcenter Design Update**

Solution Design

- Update Training documentation for client
- Collaborate with team & client to gather training materials

### **Advising Worksheet App**

AngularJS

- Full stack development
- Built using MVC ASP.NET framework backend, angularJS frontend, & SQL as a database
- Create directives to help streamline custom form creation
- Test, validate, & document app development
- Collaborate & meet with client on a regular basis to gather information on issues & fixes
- Collaborate with project manager & client to gather requirements

## **OTHER PROJECTS**

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### **Rock Climbing App**

In Progress

- App to help keep records of routes at the rock climbing gym
- Using Ionic, Angular, & Firebase
- Using Gitbooks for documentation

### **Wedding Website**

In Progress

- Website for my fiancé & I's wedding
- Using Angular 9 & Firebase
- <https://wedding-beckyandjuice.netlify.app/home>

### **Dead By Daylight Builds App**

Backlog

- A Progressive Web App that allows users to create & save builds for the game Dead By Daylight
- Using Ionic, Angular, & Python

### **Personal Blog**

- Simple blog using Hugo
- Help keep track of diet and rock climbing progress
- <https://theoriginaljuicyjuice.netlify.app/>

### **Personal Website**

- Simple Resume website using Hugo theme
- <https://justinlespiritu.com>

### **Dog Filter App**

- Simple web application built with AngularJS using the Open Dogs API

### **Biggest Loser App**

- Collaborated with a team of five to create a web application to compare & keep track of weight loss between users.
- Took role of Requirements Leader: Ensured all requirements have been collected & documented; managed the product backlog.
- Responsible for creating & maintaining database infrastructure using MySQL/phpmyadmin.
- Collaborated with Test Leader to create Unit tests using PHPUnit

### **Nerdup**

- Mobile Application used to record, download, & share notes on Super Smash Brothers players
- Developed using Android Studio & Firebase as a database

### **Webclicker**

- Collaborated with team of four to create a web application that allowed students to answer questions created by an instructor
- Responsible for creating & maintaining database infrastructure using MySQL/phpmyadmin