

JUSTIN L. ESPIRITU

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EDUCATION

University of Wisconsin - Oshkosh
Computer Science | Software Engineering Emphasis

December 2018
Bachelor of Science

SKILLS

Languages

- Javascript, HTML/CSS, Java, PHP, SQL, Python 2, C/C++, Batch, Latex

Frameworks & Libraries

- AngularJS, jQuery/jQuery UI, NodeJS, .Net, Teamcenter ITK, Teamcenter SOA

Databases

- MySQL, Microsoft SQL Server, Firebase

Tools

- Github/GitLab, Mercurial, Jira

PROFESSIONAL EXPERIENCE

Teamcenter Implementations Engineer

Mercury Marine

January 2019 - Present

Fond Du Lac, WI

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

PROFESSIONAL PROJECTS

Teamcenter Support

Teamcenter Solutions Engineer

April 2019 - Ongoing

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

Teamcenter Upgrade

Teamcenter Implementations Engineer

March 2019 - Ongoing

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

Teamcenter Rollback

March 2019

Teamcenter Implementations Engineer

- Perform a full database and Teamcenter 11.4 rollback
- Create and/revise attributes using BMIDE
- Create backups and 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

March 2019

Solution Design

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

Advising Worksheet App

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

CURRENT/FUTURE PROJECTS

Personal Website

In Development

- Building with Angular 7, Angular CLI and SCSS
- Personal website to present portfolio and blog

Rock Climbing Mobile App

Planning

- Building with Ionic, Angular 6, and Firebase as a Database
- Mobile application that will allow Rock Climbers to rate, observe, and update routes at UWO

Twitch Custom Overlay Web App

Planning

- Building with Node.CG and Vue
- Web application that will streamline the process of creating overlays with custom data for twitch streamers

OTHER PROJECTS

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 and 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, and 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