Jared Beach

Software Engineer

Location: Nashville, TN
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Work Experience

Iron Solutions

Software Developer
October 2019 - Current
Nashville, TN

- Created React application and supporting backend for viewing and filtering sales reports of farm equipment so they can quickly and easily value their equipment. Largely successful launch.
- Embedded pre-existing React application into NetSuite and architected SSO between the systems.
- Contributed to our beautiful, powerful website for managing equipment inventory.
- Very happy at Iron. You could reach out for short-term contract work though.

Premier System Integrators

Engineer 3 - Software Engineer
October 2018 - October 2019
Nashville, TN

- Full-stack engineer creating powerful software solutions for manufacturing companies.
- Developed web-based dashboard for car manufacturer. Real-time car body tracking using SignalR to update graphical representation of plant floor. Optimized for iPads. Vue.js as the framework. .NET Core / MVC backend.
- Created fault-tolerant, Windows WPF application to track parts added / removed from conveyor system using barcode scanners. Replaced manual entry into an AS400 system.
- Developed source control solution for third-party product to minimize risk of lost or corrupted code in the product's database.

Echo Global Logistics

Software Engineer
May 2018 - October 2018
Chicago, IL

- Developed micro-service-based application for automating logistics operations with an Angular 6 fronted. Uses Consul for service discovery
- Utilized CQRS and domain driven design patterns. Elastic Search read store and MS SQL Server write store.
- Bridged the gap between my software team and the DevOps team by building relationships and correcting misinformation.
- Delivered bi-weekly in agile sprints.

Hyla Soft USA

Manufacturing IT Analyst (A1)
January 2017 - May 2018
Chicago, IL

- Created custom automation engine for moving robot vehicles throughout plant in aerospace manufacturing plant.
- Maintained leading open source C# OPC library.
- Updated and made corrections to Java-based oil blending reporting system.

Nucor Steel Louisiana

Level II Technician Intern
March 2016 - December 2016
Convent, LA

- Provided on-site and remote work in order to introduce a higher level of automation to their process.
- Implemented delay tracking by polling PLC for delay status (was manually entered into spreadsheet). Replicated web interface from Tuscaloosa plant.
- Created web interface for viewing and recording truck weights as they enter and exit plant site. Replaced access database and manual entry of weights.

Nucor Steel Tuscaloosa, Inc.

Level II Technician Intern
May 2013 - March 2016
Tuscaloosa, AL

- Created software and automation solutions for capturing and retrieving data for the steelmaking process (focusing primarily on the caster area).
- Re-designed slab inspection web page to communicate with third-party tracking system, Rollcim and improved logging.
- Created cost model website for estimating and reporting prime tons and yield by product type.
- Participated in planning for and installing Danielli Q3 Intelligence system (particularly involved with caster data).

Education

Vanderbilt University, Nashville, TN

Current
GPA:

Masters in Computer Science

- Massively expanded my familiarity with cloud technologies, Docker, Kubernetes.
- Refreshed and enhanced my abilities with software patterns and architecture.

The University of Alabama, Tuscaloosa, AL

Dec 2016
GPA:

Bachelor of Science in Computer Science

- Researched Leap Motion controller's practical applications. Created virtual theremin in Unity 3D to demonstrate the controller's potential in music education.
- Worked in Lego Robotics Outreach program. Introduced young students to basic programming concepts.
- Earned Webucator's Computer Science Scholarship for 2015-2016 year.

- Earned Nucor Corporation University Collegiate Scholarship for 2015-2016 year.

Projects

Chews

Creator
10.2019

React Native iOS/Android app for finding nearby restaurants at random.

- Leveraged location services and pass to Google API to find nearby restaurants.
- Implemented custom graphics and components with native (60fps) animations.
- Shared my library on GitHub for native loading spinners.

Menuity

Developer / DevOps
5.2017

Built website with friends to view restaurant menus.

- Implemented AWS Docker deployments. Switched to DigitalOcean with CI using BitBucket pipelines.
- Created custom .NET Core service to listen for pushes to Docker repository and re-deploy website.
- MongoDB server, Node.js API, Vue.js frontend, and NGINX server.

H-OPC

Maintainer
8.2016
https://github.com/hylasoft-usa/h-opc
https://www.nuget.org/packages/H.Opc/

- Significantly improved unit tests and corrected error handling of UA and DA clients.
- Added custom options for UA client.