Wauseon, OH
(937) 802-3161
nathan_spotts@hotmail.com

Nathan Spotts

linkedin.com/in/nathan-spotts-173055165/
nathan-spotts.com

I am a full-stack software developer with a passion for developing reliable, user-friendly applications that solve real-world problems and automate the boring part, so people can focus on the things that matter.

Work Experience

Full Stack Web Applications Developer **Tronair Inc.** **Oct 2022 - Present**
Swanton, OH
- Owned, developed, and maintained an internal web application used as the main UI to manage most aspects of the production process. Built on an HTML, CSS, Javascript front-end and a PHP & SQL back-end on a Windows IIS VM.
- Developed and maintained new feature modules and improvements for production scheduling, ensuring efficient job prioritization, central feedback from operators, and streamlined schedule access.
- Managed MES labor & inventory transaction processes for seamless operator labor recording, customizable subprocesses (issue tracking, part inspections, etc.), and critical data collection for business decisions.
- Developed a Part Inspection Module allowing CNC programmers and quality engineers to set inspection requirements and track quality data, including the front-end UI, back-end, and relational database design.
- Implemented Real-Time Display dashboards to provide live production metrics, track downtimes, and improve performance visibility.
- Developed Supervisor Reports to offer customizable performance metrics, downtime analysis, and earned hour summaries for improved operational oversight.
- Developed automated reports/emails using PHP, SQL, and Excel Power Query to deliver critical production data and support key business decisions efficiently.

Mechanical Engineer **Tronair Inc.** **Nov 2019 – Oct 2022**
Swanton, OH
- Developed VBA algorithms to analyze inventory parameters during massive product migration.
- Supported the designs and manufacturing of HPUs, GPUs, hydraulic jacks, and electric tugs.

Mechanical Engineering Co-op **Therma-Tru Doors** **Aug 2016 – May 2019 (3 Co-ops)**
Maumee, OH
- Developed python application using the API for an RF 3D Imaging device to detect and graph water penetration through door systems.
- Developed test methods to understand root causes of door system failures under various load conditions.

Technologies and Languages

- Languages: HTML, CSS, Javascript, PHP, SQL, Python, C#, VB, C++
- Technologies: Jquery, Bootstrap, Vue, DataTables, Chart.js
- Other: Git, VSCode, Visual Studio, IIS, Active Directory/LDAP

Education and Certifications

- **B.S Mechanical Engineering,** University of Toledo **2015 – 2019**
  - 3.976 GPA
- **A.S. Aviation Maintenance Technology,** Michigan Institute of Aviation and Technology **2013 – 2015**
  - 4.00 GPA