

Shaun Neubert

Dayton, Ohio

sneubert@orioncomputing.com

Professional summary

Self-directed software architect and developer. 15 years experience running a software development company, 25 years professional software development, Looking to join a team to solve bigger technical challenges.

Able to create complete working solutions fusing disparate technologies based on business needs, interfacing with all the major stakeholders to make sure the developed solution actually fills their needs properly (finding out what they actually want or need, even if different than the original request). Often called in to save failing projects, to adapt existing solutions to modern technology or to solve especially stubborn technical problems.

Professional Projects (all fully self-developed, many not listed)

Pallet Wrapper automation – Using barcode scanners and optical relays over IP networking to signal robotic pallet wrapper/labeler to look up product information of pallets, create and apply labels along with feeding inventory management system with product creation.

Reverse engineer assembly line box printer – Using network packet captures, figured out protocol to run proprietary industrial inkjet printer, then wrote web interface to directly send jobs, avoiding previously required custom kiosks.

Custom software to run meat packing companies – Touchscreen desktop software to run the labelling and tracking systems of over 300 independent meat packers.

Eyeglass classification system – using embedded processor in serial device (programmed in C), read and translated data from optician equipment to log donated eyeglass inventory at remote sites, recorded to internal SD card for upload via web interface on another machine.

Smart printer production management system: Using embedded software in label printers mixed with SQL databases and Windows services, created system to weigh and label plastic products, track production quantity and rates, and downtime along with reasons. Live data visualized on screens throughout the factory floor.

Warehouse management – Android frontend (also ASP.NET web interface) calling backend .NET web services interfacing SQL server to order pick, log, create, barcode, label, track and move inventory in a very large warehouse environment.

Technical Skills (Only recently used listed here, but I've worked with everything from Z80/6502 assembly code to modern multithreading):

- C# (20 years)
- ASP.NET (15 years)
- SQL Server (20 years)
- Android with Kotlin/Java (5 years)
- Embedded software development (20+ years)
- Various PLC/Ladder Logic/Industrial Interfaces
- Networking and Windows/Linux Server Administration

Personal Projects:

- Home automation via combinations of Zigbee, Raspberry PI, and embedded controllers.
- Digital electronics hobbyist, building long lasting battery powered networked modules (lately based on ESP8266/NodeMCU platforms).
- Virtual Reality development in Unity/C#.
- 3d Printing (filament based mostly – have an Ender 3)
- Wordpress and .NET Core websites.
- Rebuilding my 110 year old duplex (electrical, plumbing, carpentry, flooring, drywall).

Education

Bachelor of Business Administration, Information Systems Major
University of Cincinnati