

Steven Zilberberg

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Objective

Motivated and passionate engineer seeking a position in computer engineering. I am able to maintain and add features to existing products as well as start a project from conception and bring it to fruition while also focusing on documentation and traceability. I strive to design and create long term solutions to complex problems and systems.

Technical Skills

Programming

Languages: C#, ASP.NET, VB/VB.NET, C/C++, Python, Java, SQL
Web: HTML, CSS, Javascript, Node, React
Structures: JSON, XML, CSV
Tools: Jira, Bitbucket, Bamboo, Jenkins, Octopus Deploy, Git, AWS, Nuget, Powershell, Batch, BASH
Utilities: Visual Studio, VS Code, Microsoft SQL Management, WinMerge, Wireshark, Postman, Dynatrace
Protocols: RS-232, Telnet, SSH, UDP/TCP Ethernet, ARINC-429, MIL-Chapter10, MIL-1588, MIL-1553

Operating Systems

Windows MacOS Linux (Ubuntu/Rasbian)

Professional Experience

- **FreedomPay**, Senior Software Engineer, Philadelphia, PA (May 2024 - Present)
 - Worked in the Value Added Services team comprised of over a dozen developers and QA engineers
 - Worked in the Web E-Commerce team comprised of over a dozen developers and QA engineers
 - Assisted in maintaining and debugging legacy software and implementing new features onto new products
 - Implemented features used to process transactions by major companies like McDonalds and Buffalo Wild Wings
- **Susquehanna International Group**, C# Senior Software Engineer, Bala Cynwyd, PA (May 2023 - January 2024)
 - Worked in a team of 7 developers to maintain multiple software tools to ensure federal compliance regulations
 - Assisted in developing utilities to provide function for multi-sourced inputs to several software systems
 - Collaborated and helped maintain a software system which processed ~3 billion transactions per day
- **Curtiss-Wright (Teletronics Technology Corporation)**, Senior Software Engineer & Mobile Developer, Newtown, PA (Jan 2014 - April 2023)
 - Lead Engineer for government funded Air Plane Control Panel; required collaboration with multiple departments to design, build, test, and delivery. Completed using C/C++ and C#
 - Successfully used on multiple Navy Aircraft
 - Implemented several proprietary and non-proprietary Ethernet UDP/TCP protocols including Pulse Coded Modulation data which was Ethernet packet fragmentation capable
 - Created and implemented a unified file structure with compliance for apps across multiple platforms using C# and a XML File Structure
 - This allowed “add once, use everywhere” architecture for a 4 customer facing applications
 - Conducted several customer facing quality control and testing along with documentation and inter-departmental procedure changes.
 - This increased customer satisfaction and reduced future engineering testing time and frequency, substantially
 - Migrated, implemented, and maintained new systems and procedures to use Jira, Bitbucket, Bamboo, and Confluence to improve code quality, tracking and overall documentation.
 - Saved more than 1000 man hours per year through automated building and testing
 - Improved transparency and tracking of engineering efforts
 - Included creating Python and Windows Batch scripts for automation tasks and building
 - Extracted redundant code and implemented libraries across multiple applications to support hardware communication, proprietary and open standard file formats, and general utilities. Primarily done in C#
 - This provided the ability to create a structure on which to build new applications quickly with tested and proven code and reduced the potential for mistakes between applications
 - Worked on an HD Camera utilizing Ethernet configuration and streaming protocols using C# and VB.NET along with a REST protocol and a JSON structure
 - Contracted and utilized by NASA in the Artemis 1 space launch
 - Created Wireshark LUA plugins for debugging proprietary formats of network data

Education

- The College of New Jersey, Ewing, NJ, December 2013
Bachelor of Science, Computer Engineering

Personal Experience

- Constantly learning and practicing electronic design
 - Designed a half dozen of independent PCBs