Josh Greenberger
Brooklyn, N.Y.

availability@shoptrain.com

Full-Stack Software Engineer

Programming Highlights
FORTRAN, PHP, C, PERL

Capsule Review of my Programming and System Design Experience

----
Decades of programming and systems design experience has taught me that the more testing in the development stage the less crashes in production. I've developed many systems -- from concept through design through coding -- in several languages and database systems.

The most important aspect of designing a new system is knowing up front what sub-programs (functions, procedures, routines, etc.) will be needed, which generally requires a high level of expertise. What makes this foresight so important is that in large-scale systems it's important that each module be thoroughly tested individually. Once the modules are tested individually and combined to build the new system, the debugging phase is reduced to a minimum.

In some cases, I've experienced virtually no debugging issues at all. Even if more modules are needed as the development proceeds, these new modules should also be thoroughly tested before installing them into the system. I've written literally hundreds of programs that, after the initial development stage, ran for many years without ever crashing.

Languages - Years

Fortran - 10, PHP - 6, C - 7, Perl - 4, HTML - 10, JavaScript - 3, CSS - 2

Database Systems

SQL/MySql - 3, Paradox 4.5 DOS - 15, FOCUS DBMS - 10

Work History

1/2025 – Present

As an independent consultant, I've developed and sold a number of websites.
Following is a subset of those websites:

Worked with…	
PHP * PERL * SQL * MySql * HTML * JavaScript	

BuildShoppingCarts.com	**Builds shopping carts using PayPal**
	   Backend: PHP
	   Frontend: HTML and JavaScript

EmailDust.com	**Sends secret emails**
	   Backend: PHP and MySql
	   Frontend: HTML and JavaScript

MultiWebsites.com	**Allows non-technical users to set up websites**
	   Backend: PERL
	   Frontend: HTML and JavaScript

IsDataOk.com	**Downloads extensive data-checking app**
	   Backend: PHP
	   Frontend: HTML and JavaScript

Contact: availability@shoptrain.com	

In addition to the above languages, my FORTRAN experience is quite heavy. I started with FORTRAN IV, moved on to FORTRAN 77, then to FORTRAN 90. Worked with FORTRAN in several different environments, including IBM Mainframes. Have expertise in the Mainframe's VM/CMS environment: CP, CMS, EXEC and EXEC2.

Full time: **Satellite Technologies**   **8/2015 – 12/2024**

Supported accounting, product billing, and statistical analysis software. Heavy manipulation of "card column" binary and ASCII data in FORTRAN, C and PARADOX environments.

Wrote FORTRAN program to read bit-pattern data, where every few bits represented data to be reported on.

Wrote a Syntax Analysis System which tracked FORTRAN calls from FORTRAN programs, EXEC calls from EXECs, FOCEXEC calls from FOCEXECs. Used in conversion of FORTRAN system from IBM/MAINFRAME to UNIX.

Wrote extensive search utility in PHP that allows for entering search strings individually or entering a file name that contains a list of search strings. It also allows entering individual file names to search through, a file name that contains a list of file names, and file name wildcards; e.g. *.bat. It creates 3 files; 1 - lists files that contained search strings, 2 - lists files that do not contain any search strings, 3 - lists files that contain search strings and also lists the actual lines (under each file name) that contain search strings.

Designed website for tracking personnel skills. Allowed user to retrieve data by skill set, skill level, tenure and position. Environment: PERL/CGI, HTML JAVASCRIPT

Maintained an income and expense reporting system, which involved writing FORTRAN modules and setting up FOCUS TABLES in an IBM mainframe, VM/CMS, REXX environment.

Education:
BS – Tel-Chaim, Brooklyn, NY (private college)

High School - Beis Shraga, Monsey, NY (private high school)
   100% - Geometry Regent
    93% - Trigonometry and Intermediate Algebra Regent