

# Thomas Pfau

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## Summary

System programmer with extensive experience in asynchronous communications, network communications and interprocess communication on OpenVMS and UNIX platforms and a demonstrated ability to learn and master new technologies with a limited amount of formal training. Extensive experience with a broad range of operating systems, programming languages and databases. Development experience includes OpenVMS device driver and internals, end user applications, external device interfaces, X Windows and Microsoft Windows GUI applications, and web-based applications.

## Expertise

### **Operating Systems**

OpenVMS, Linux, Microsoft Windows

### **Programming Languages**

C/C++, Java, Perl, PHP; less recently BASIC, Pascal, FORTRAN, COBOL, various assemblers

### **Other**

DCL, Shell, HTML, CSS, CGI, Apache, WASD, IIS/ASP, DECnet, TCP/IP, Oracle, PostgreSQL, MySQL, CORBA

## Employment History

### **Vintner's Circle Franchising LLC – Store Technology Manager, 8/09-Present**

Vintner's Circle Franchising provides operations support to a chain of stores that service customers that make wine in the stores or in their homes. I am the sole developer providing new subsystems on the company website (OS Commerce) that are used by franchisees to run their stores.

- ◆ Developed inventory management extensions to allow stores to manage orders with vendors, receive shipments of products, manage invoices and payments, and track store assets.
- ◆ Implemented support for gift cards and deposits.
- ◆ Implemented a batch management system to allow the stores to track and schedule customer winemaking sessions.
- ◆ Implemented routines to calculate and report store sales summaries and royalty payments due.

### **Schering-Plough Corp. - Lead Analyst, 5/03-9/09**

I maintained the software that runs the company's automated hi-rise warehouse in Kenilworth, NJ.

- ◆ Designed and implement system enhancements and bug fixes within a regulated validated environment.
  - ◆ Developed a set of DCL procedures and Perl routines that utilized DEC CMS to allow system changes to be maintained and installed as change sets.
  - ◆ The system runs on OpenVMS and is comprised of DCL command procedures, C programs and Datatrieve reports.
  - ◆ Introduced a web server to drive large TV displays that direct fork lift operators to where orders are being staged and allow departments to get order status in near-realtime.
  - ◆ Supported users with day-to-day problem resolution.
- Provided support for the Central Weigh users of Werum's PAS-X software.  
Maintained an Access database system used to track product returns.  
Finished development and validation of a training data collection system started by an external consultant after he became unavailable (ASP, Oracle).

### **NetProfits Internet Consulting - 1/03-5/03**

I assisted in the development of an internet sales web site (ASP, SQL Server)

- ◆ Provided major contributions to application and database design.
- ◆ Implemented business logic modules and database access routines.

**emCrit Corporation - 9/01-12/02**

emCrit Corporation (previously Rane Technologies) was a startup attempting to develop a phone switch suitable for provisioning multiple customers in shared building environment.

- ◆ Designed and implemented a Java application used to administer the company's phone switch product.
- ◆ Designed CORBA interfaces used by the administration program and other modules to communicate with database access programs.
- ◆ Designed and implemented system, network, and database access modules (C++).
- ◆ Assisted in the design of database structures and procedures (PostgreSQL).

**Maher Terminals - Systems Analyst, 6/96-9/01**

Maher Terminals is one of the largest multi-modal terminal operators in the New York/New Jersey region.

- ◆ Designed and implemented communications subsystems involving X-Windows and interprocess communications using DECnet and TCP/IP (C).
- ◆ Designed and implemented multithreaded messaging and database update servers (C++).
- ◆ Maintained the corporate web site including Oracle stored procedures, Cold Fusion web pages and programs for loading the Oracle database.
- ◆ Converted the corporate web site to Perl to run on VMS.
- ◆ Implemented data entry applications on corporate web site.
- ◆ Designed and implemented a program for editing a graphical representation of a multi-modal terminal yard layout (C++).
- ◆ Wrote Perl programs that automated removal of EDI attachments from e-mail messages and forwarding of those attachments to other systems for processing.

**Toys 'R' Us - Systems Analyst, 10/94-5/96**

- ◆ Designed, implemented and maintained various DECnet and TCP/IP based file transfer procedures including development of a callable FTP library (C).
- ◆ Designed and implemented a multi-platform communications subsystem and API which would allow application programmers to easily write client/server applications across a TCP/IP network (C).
- ◆ Assisted internal support group in troubleshooting of various system and network problems across a wide area multi-protocol network.

**Digital Equipment Corporation - Software Specialist/Consultant, 7/83-10/94**

- ◆ Many projects and assignments involving VMS system tuning, VMS device drivers and associated utilities, communications systems, and various other projects on VMS, RSX-11M/M+ and Unix/linux platforms.

**Digital Equipment Corporation - Field Service Engineer, 9/81-7/83**

- ◆ Responsible for maintenance of VAX and large PDP-11 systems and associated peripherals.

***Personal Projects***

**FTPLib API**

Provides an API written in C that allows a program to access files through an FTP server. This library has been used on VMS, linux, Windows NT/2000, and various Unix operating systems.

**Java Worship Song Database**

A Java application/applet that indexes worship song sheet music for my church. The database can be searched for songs containing a user entered phrase; lyric sheets can be printed out with or without guitar chords; guitar chords can be automatically transposed to different keys; song list can be sorted by key, title, or author.

**Perl Modules**

I have authored several Perl modules including both pure Perl modules and XS code. Four of my modules are available from CPAN.

**Personal Web Site**

Contains some information about me, some web applications I have written, and provides access to other software I have written.

***Education***

**Entegreat, 10/08**

Werum PAS-X User course

**Werum, 2/08**

Werum PAS-X System Administrator course

**The Learning Tree, 11/00**

Java programming course

**Digital Equipment Corporation (onsite at Toys 'R' Us), 10/94-5/96**

Courses on OSF/1, POSIX programming, shell programming, Windows NT for VMS programmers.

**Digital Equipment Corporation, 9/81-10/94**

Training courses on Digital hardware including VAX 11/780, PDP 11/70, various tape and disk drives. Software training on RSX and VMS internals, device drivers, system troubleshooting, system programmer.

**Metropolitan Technical Institute, 9/79-9/81**

Digital and Analog Circuit Analysis and Design. Microcomputer Interfaces. Programming in BASIC, FORTRAN and PDP-11 assembler. Microcomputer programming (Intel 8080, Motorola 6800).

**Fair Lawn High School, 9/76-6/79**

Basic electronics courses. Programming in BASIC, FORTRAN and PDP-8 assembler.

**References provided upon request.**