

# William Favorite

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## Product Experience

All sections on this page are only for recent projects, products that are a regular part of daily activities, or were frequently used during the last job description(s). Exposure section may contain Experience items that have "aged off" the list.

- Big Unix - AIX, Solaris
- Little Unix – Linux, FreeBSD, OSX
- IBM System P, Sun SPARC Servers (M/T series)
- VIOS, PowerVM, WPARs
- IBM BladeCenter & System X
- HP ISS (x86 systems)
- Solaris DTrace & AIX ProbeVue
- Oracle, RAC, & related products
- EMC & Hitachi Tier 1 & 2 Arrays, PowerPath, HDLM
- Red Hat Linux (> 15 years Linux)
- IBM HACMP / PowerHA
- VMware ESX, ESXi
- Numerous system, network, & storage virtualization technologies
- Extensive Unix systems scripting and programming
- Solstice, Sun VM, ZFS, Veritas VxVM / VxFS, & other LVM
- SybaseIQ
- Brocade, McData, & others
- LSI/Engenio, IBM DS3, 4, & 5K

## Product Exposure

- HP OpenView
- HP BCS, HP-UX
- IBM SVC, FalconStor
- BEA/Oracle Weblogic
- BladeLogic
- Sun Cluster, VCS
- F5 BigIP, 3DNS
- IBM Director, HP InsightManager
- Apache, Tomcat, Web services
- Lotus Domino
- TSM – NetBackup
- NetApp

## Certifications

- IBM Certified AIX Instructor
- I have held virtually every AIX / System P related certification since AIX 5.2. (Most are not listed here.)
- IBM XIV Storage System Technical Solutions V1
- IBM Certified Advanced Technical Expert (CATE) Power Systems with AIX (6.1, 5.3, 5.2)
- Enterprise Technical Support for AIX and Linux
- Virtualization Technical Support for AIX and Linux
- IBM BladeCenter V5
- IBM Certified Specialist Storage Networking Solutions
- VMware VCP (2.5, VI3, & VI4)
- IBM eServer Certified Systems Expert -- pSeries HACMP for AIX 5L
- IBM eServer Certified Specialist -- pSeries Technical Sales Support (p5 / p6)
- IBM Certified for On Demand Business -- Solution Designer V2
- Oracle 8 & 8i OCP
- Sun Certified System Administrator (SCSA) Solaris 10

## Training

- IBM pSeries systems
- ProbeVue (presenter)
- IBM AIX (instructor)
- BladeLogic
- Sun systems, storage, & software
- HP ISS, BCS, & software
- IBM Tivoli Maestro
- VMware
- IBM nSeries storage
- NetApp SanScreen
- Numerous hardware / software vendor training (instructor & student)
- IBM data migration tools
- Sybase IQ

## Technologies / Languages

- C, C++
- Perl (and modules)
- TCP/IP (deployment & development)
- DTrace, ProbeVue
- AIX PerfStat, Error, & other APIs
- Pthread programming
- ksh (88/93), sh, bash Unix shell
- Web technologies & standards
- SQL, PL/SQL, OCI
- Eclipse, RCS, make
- Ethernet, LAN, WAN
- JumpStart, KickStart, NIM, Ignite
- Unix System Programming
- Unix Internals
- Java, SQLJ, JDBC
- OLTP, OLAP, DSS
- vPar, nPar, Integrity VM
- LPAR, WPAR, PowerVM
- LDom (T), Domains (M), Zones
- SAN, NPIV, FCIP, iSCSI, etc...

## Work History

**Bloomberg** – New York, NY

December 2010 – Present

Senior Unix System Engineer / Architect

- Developed tools and methods for performance analysis.
- Automated deployment and management tasks through scripting and custom (C-based) tools.
- Provided performance analysis and tuning for real-time financial systems.
- Worked directly with IBM Austin and IBM India on AIX issues and enhancements.
- Interfaced directly with developers for application development and porting needs.

**Ergonomic Group** – Westbury, NY ~ Nashua, NH

May 2008 – December 2010

Senior Unix System Engineer / Architect

- Key resource in developing a dedicated IBM (System P, X, & Storage) practice.
- Worked closely with IBM AIX team and prominent AIX customer on the future feature set of the Vue language and the ProbeVue tool.
- Consulted and provided temporary (approx 1 yr) staff augmentation for high profile NY based financial customers.
- Designed and deployed solutions using entire System P line from blades to mainframe-class systems.
- Worked with customers on activities diverse as performance management, data center moves, development efforts, deployment of new systems, and system requirements / design of solutions.

**Putnam Investments** – Boston, MA

September 2007 – May 2008

Senior Unix System Engineer / Architect

- Wrote a comprehensive Unix standard to govern both current Unix deployments but to also forward looking views on future developments in the Unix marketplace.
- Wrote utilities in C and shell scripts for reporting, performance monitoring, and daily management needs. Specifically, I wrote a tool to report multipath information from the native Linux multipath tool. This involved reviewing kernel code to determine functionality of the erroneous and poorly documented Linux multipath API.
- Wrote a Java (Swing) based utility to manage an entirely new Sun JumpStart process of my design. Wrote significant documentation of the tool, the process, and procedures of Solaris JumpStart at Putnam.
- Architected and deployed high profile Sun Solaris solution using the latest m-Series systems from Sun to include the introduction of new concepts to the environment such as VLANs, ZFS, and DTrace.

**Integration Systems (iSys)** – Deerfield Beach, FL ~ San Juan, PR

April 2005 – September 2007

Senior Unix System Engineer / Architect (New England, Puerto Rico region SE)

- Designed, deployed, and managed solutions using IBM pSeries systems from p510 through p595 using whole partitions, DLPARs, and APV methods.
- Designed, deployed, and managed highly available solutions using HACMP, Oracle RAC, and related technologies.
- Deployed and maintained IBM BladeCenter solutions to include network and SAN configurations.
- Instructed formal (official IBM) and informal training on IBM products and Unix concepts.

**Detroit Edison** - Detroit, MI (Contract Position)

March 2003 – April 2005

Linux / Unix System Administrator

- Implemented and scaled a Linux infrastructure from 2 initial servers to over 130 servers with over 12,000 users. Part of a greater team of engineers that was responsible for the operations of over 500 AIX, Solaris, and HP-UX servers.
- Developed standards and methods for server deployment, management, and monitoring to include written documentation, software tools, processes and procedures.
- Frequently used access to source code to solve problems with open source products.
- Developed several ITO agents and tools using C, Perl, and shell scripts for comprehensive Linux, Unix, and application event and status monitoring.
- Worked with vendors and company management to provide the best mix of support using in-house, public-domain, and vendor supplied support with the goal of providing the best open source support in an enterprise environment for the most reasonable cost.

**Vicorp Inc.** - Denver, CO (Temp / Contract Position)  
System Administrator (Disaster Recovery Project)

July 2002 – March 2003

- Developed, deployed, documented, and managed a comprehensive Disaster Recovery plan for critical IT systems. This plan reduced a significant portion of annual IT expenses by leveraging existing company resources rather than relying upon expensive third party DR contracts.

**GE Access** - Littleton, CO  
Technical Solution Engineer

February 2000 – July 2002

- Developed applications & solutions focused primarily on Oracle (DB/App), storage (tier-2), and Sun (Solaris, Sun Cluster, Veritas) products. Developed VOS and VOS derived solutions for GE Access.
- Developed a "one-click" Oracle install as an extension to the Solaris JumpStart process to include Veritas Volume Manger (VxVM) encapsulation. Solution was based upon industry best-practices, and included complete documentation.
- Evaluated new products and designs for possible inclusion in GE Access offerings. Evaluations were primarily concerned with storage and storage management products. These included (but were not limited to) Veritas NAS, Veritas VVR, StorageTek HSM, LeftHand, and many other new or up-in-coming products / vendors.
- Created benchmarking applications that generate OLTP and OLAP type loads against Oracle instances for the purpose of evaluating various hardware solutions. These applications were specifically designed to stress row chaining, database fragmentation, high volume inserts and deletes requiring relational integrity, and other problematic load issues.
- Created an automated web-based database configuration application that simplified Oracle deployments.
- Evaluated and benchmarked various storage solutions on software and hardware platforms using Oracle databases.

**Lewan & Associates** - Denver, CO  
Senior System Engineer - System Engineer

March 1997 - February 2000

- Provided support for HP-UX 10.20 and 11 servers, Linux, Win-NT – Pre and post-sales engagements.
- Developed environmental control archiving applications for FDA validated systems.
- Was one of the first RHCEs under the new Red Hat certification program (class number two).
- Developed a Documentation ToolKit for Linux and NT that was used to provide rapid documentation of installed servers / services. This included scripts and documentation templates to assist in the creation of a solid documentation foundation. These packages were deployed with InstallShield (NT) and RPM (Linux) formats.
- Developed a Best Practices regimen for benefit of sales force, junior engineers, and system consistency in absence of policies at deployed sites.
- President's Club Member

*Intervening time includes positions related to my current work but either in a more junior capacity or on older technologies. These have been omitted in an effort to keep this resume relevant to future positions and under 4 pages. Information on these positions is available upon request.*

**United States Marine Corps**  
Sergeant - Aircraft Firefighter

July 1985 - July 1991

- Honorable Discharge with highest reenlistment code.
- Sergeant (E5) in Gulf War. Managed order amongst chaos.

## Personal

- Created and maintain a popular Unix information web site that hosts QuickSheets, scripts, code samples, utilities, and white papers. Both AIX and Solaris QuickSheets are number one in SERPs for leading search engines.
- Active Unix user group presenter and member. Contributor to various online forums, including IBM developerWorks, unix.com, and others. (Presentations are available on web at numerous sites.)
- Developed curses / pthreads based AIX error log browser for interactive monitoring of the error log event stream.
- Developed Linux multipath reporting, Linux multipath disk performance, and AIX network performance tools.
- Leading contributor to public domain for ProbeVue and Vue language.

References available upon request.

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