

Glen Jarvis

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Experience

University of California – Berkeley (and Robert Half Technologies) Berkeley, CA

Software Developer

July 2009 – present

- Automated webserver/database/code-release management using organized Python modules that also allow command-line interfaces for cron scripting
- Wrote easy to use menu and sub-menu based application for operator-driven management of webserver/database/code-release, using pre-written automation libraries
- Implemented a daily Python-based Systems Health Check program that caught and eliminated potential errors before they became problematic
- Reorganized subversion repository, adding the ability to branch and tag (previously only functioned as a single trunk)
- Improved and refactored PostgreSQL database schema by removing dependencies upon stale roles (users)
- Supported day-to-day operations of the PhyloFacts resource by providing Python programming, administration for the Apache webserver, PostgreSQL database and subversion repository
- Migrated existing file system (encyclopedic Phylofacts book data) to new cluster while quality checking the data
- Designed QA/regression tests for new PhyloFacts system
- Ported and Refactored existing software to new system, utilizing Python, Django, HTML, JavaScript and CSS

The Python Shoppe (Glen Jarvis, LLC)

San Francisco, CA

Software Developer

Apr. 2008 – present

- Designed and developed Python based barcode scanning workflow management kiosk software and Django 1.0 web interface for Alben Das (Madrid, Spain)
- Created Grant Administration database and GUI front-end for the Firedoll Foundation
- Developed Django based web site for a government energy efficiency subcontractor
- Administered Red Hat Internet servers including web (Apache), database (PostgreSQL), e-mail (Sendmail), and Internet LAN (Samba) servers
- Constructed hardware and installed software to architect LAMP (Linux, Apache, MySQL/PostgreSQL, Python) stack servers

HomeGain (Classified Ventures)

Emeryville, CA

Software Developer

Sept. 2007 – Apr. 2008

- Designed and developed Python cron-job management and monitoring API
- Designed and developed software tools to facilitate fast, robust and testable software release process
- Designed and developed software frameworks to support rapid construction and deployment of business logic
- Designed and developed software and strategies to provide configuration management
- Developed and analyzed diagnostic and performance data from production website to improve performance and reliability
- Provided support for production, test and development systems
- Provided support for production code roll-outs
- Worked with QA and system administrators to facilitate testing and implementation
- Produced and maintained project documentation

IBM (and Informix Software, Inc.)

London, England/Lenexa, KS

Regency Services Engineer

Sept. 1998 – Sept. 2002

- Patched customers' systems in emergency capacity using advanced knowledge of Informix including special internal certification (OnLine-3) and knowledge of proprietary source code
- Promoted to team leader
- Identified training-weak areas and initiated and authored yearlong training program. Program specialized in advanced HTML, advanced web servers and the Informix web datablade

- Applied combination of hardware and software knowledge of Unix, NT, RDBMS, datablades, C, GUI and X interfaces along with proven technical problem solving skills
- Applied time and customer management skills, written customer services and verbal business communication skills to balance casework
- Utilized product knowledge to provide technical assistance to other engineers
- Authored technical collateral to enhance departmental resources including technical presentations and portions of training materials
- Led "Relational Database Design" and "Opening Ceremonies" courses as Certified Instructor
- Coached other associates in mentoring program

Education

University of Missouri – Rolla

B.S. Computer Science

Minor: Leadership Communication

Dec. 2007

Major GPA: 3.8/4.0

Minor GPA: 4.0/4.0

Cumulative GPA: 3.2/4.0

Certifications

Informix Certified Database System Administrator

Informix Certified Database Specialist

Informix OnLine 3 Down System Certification

UC-Berkeley Certificate Program in UNIX/Linux System Administration (in progress)

Career Development

System Administration: Informix Dynamic Server - Informix Software

Performance Tuning - Informix Software

Relational Database Design, and Informix SQL - Informix Software

Managing and Optimizing Informix Dynamic Server - Informix Software

DSA Processes - Informix Software

Incorporating Stored Procedures and Triggers - Informix Software

Informix Dynamic Server Enterprise Replication - Informix Software

IDS Archiving Methods - Informix Software

Extending Informix Dynamic Server Using the Universal Data Option - Informix Software

Informix Datablade: Supporting Text Search - Informix Software

Supporting Informix Connectivity Products - Informix Software

Networking Essentials- Microsoft Education

Internetworking with Microsoft TCP/IP on Microsoft Windows NT 3.5 - Microsoft Education

Skills

Operating Systems: Unix (Solaris, HP-UX), Linux (CentOS, Ubuntu, Fedora, RedHat), Max OSX, Windows (3.1/95/98/NT/2000/XP/Vista)

Database: PostgreSQL, Informix Dynamic Server, MySQL, Access

Version Control: Subversion

Languages: Python, Bash, C, C++, HTML, XHTML, SQL, JavaScript

Cloud: Portable Batch System (PBS)/Q-sub

Web: Apache, Django 0.96, 1.0, 1.1

Testing Frameworks: Unittest, Twill, Selenium

Software: Microsoft Office, Open Office, Pages, Keynote, Putty, Mathematica, MATLAB, Grapher, Gimp, Photoshop, iMovieHD, Camtasia

Honors

Dean's List and Honor Roll

Upsilon Pi Epsilon (UPE) - Computer Science Honor Society

Phi Sigma - Biological Sciences Honor Society

Affiliations

Institute of Electrical and Electronics Engineers (IEEE)

Association for Computing Machinery (ACM)

UMR Special Interest Group (ACM SIG) - Security

Bay Area Python Interest Group (BayPIGGies)

San Francisco AIDS Foundation/Lifecycle