

# Glen Jarvis

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## Experience

Mobile Spinach

San Mateo, CA

### Software Engineer

March 2011 – present

- ⤴ Wrote intelligent categorization system that increased the accuracy of targeted merchant retrieval
- ⤴ Successfully designed and wrote system for automatic retrieval of merchants from varying external sources/APIs
- ⤴ Wrote rudimentary web scraping engine targeting specific restaurant websites
- ⤴ Managed T1 autoscale project as technical lead
- ⤴ Built on-the-fly reports and performed ad-hoc tasks for business as need arose
- ⤴ Wrote Django MVC back-end code for Mobile Spinach merchant website
- ⤴ Gave operational support for Amazon AWS infrastructure
- ⤴ Acted as backup production Release Engineer
- ⤴ Acted as Scrum Master proxy/backup when Scrum Master not available
- ⤴ Mentored peers and gave them technical support
- ⤴ Occasionally gave off hours/on-call operational support

University of California – Berkeley

Berkeley, CA

### Applications Developer

July 2009 – March 2011

- ⤴ Ported and refactored existing software to new system, utilizing Python, Django, HTML, JavaScript and CSS
- ⤴ Designed QA/regression tests for new PhyloFacts system
- ⤴ Wrote easy-to-use software to automate management of development, staging and production environments coordinating webserver, database, and code repository.
- ⤴ Implemented a daily Python-based system health check that caught and eliminated potential errors before they became problematic
- ⤴ Reorganized subversion repository, adding the ability to branch and tag
- ⤴ Improved and refactored PostgreSQL database schema
- ⤴ 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 “PhyloFacts book” data to new cluster and wrote a quality control system to validate the integrity of these books

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

Dec. 2007

**B.S. Computer Science**

**Major GPA: 3.8/4.0**

**Minor: Leadership Communication**

**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:** Linux (CentOS, Ubuntu, Fedora, RedHat), Unix (Solaris, HP-UX), Mac OS X, Windows (3.1/95/98/NT/2000/XP/Vista)

**Cloud/Deployment:** Amazon Web Service (AWS), Boto, Fabric

**Database:** PostgreSQL, Informix Dynamic Server, MySQL, Access

**Version Control:** Git, Subversion

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

**Grid:** Sun Grid Engine/Portable Batch System (PBS)

**Web:** Rails 2.2, Django 1.1 0.96, 1.0, Apache

**Testing Frameworks:** RSpec, Cucumber, Unittest, Twill, Selenium

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

## **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