

Glen Jarvis

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Links:

LinkedIn: <http://www.linkedin.com/in/glenjarvis>

GitHub: <https://github.com/glenjarvis>

Experience

Virtustream, Inc.

San Francisco, CA

Software Engineer

Sep 2012 – present

- ☒ Converted SpotCloud.com from Google App Engine (GAE) to stand-alone Django so it could serve as a private cloud solution
- ☒ Created an adaptor to translate SpotCloud communication with the xStream product (using Tornado and mongoDB technology)
- ☒ Built and lead a team of three engineers for the SpotCloud product (using scrum methodologies)
- ☒ Gave direct customer support for the newly created private-cloud product

Mobile Spinach

San Mateo, CA

Software Engineer

March 2011 – August 2012

- ☒ Wrote intelligent categorization system that increased targeted merchant retrieval accuracy
- ☒ 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 thejjjj 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 database
- ☒ 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

10gen Certified M101P: MongoDB for Developers
10gen Certified: M102: MongoDB for DBAs
UC-Berkeley Certificate Program in UNIX/Linux System Administration (in progress)
Informix Certified Database System Administrator
Informix Certified Database Specialist
Informix OnLine 3 Down System Certification

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