

# Geoff Stratton: Resume

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## **Professional Profile**

### **Personal Profile**

Systems administrator, database developer/administrator, and web programmer from bare metal to CSS.

### **Skills Summary**

- Web development and programming
- Database administration/programming
- CMS deployment and programming
- Cloud development and administration
- Linux and Unix systems administration
- Windows systems administration
- Agile and Scrum development

### **Functional Knowledge**

- Programming languages: VB.NET, Perl, PHP, Python, C#, JavaScript/jQuery, bash, SQL, PL/SQL
- Markup languages: XHTML, HTML, XML
- Cloud technologies: Amazon Web Services (AWS), including EC2, S3, RDS, Elastic Beanstalk
- Development methodologies: Agile, Scrum, Kanban
- Web frameworks and CMS: WordPress, Drupal, TextPattern, Joomla!, Django, Zope, Plone
- Version control: SVN, Git
- Operating Systems: Windows 9x, NT, 2000, XP, Vista, 7, 10, Server 2003/2008/2012; Linux (Debian/Ubuntu/Mint, Red Hat/Fedora/CentOS/SUSE); Solaris, OpenBSD, FreeBSD, Mac OS X
- Databases: Oracle, PostgreSQL, MySQL, SQL Server, SQLite, MS Access, Visual FoxPro

## **Professional Experience**

### **Senior Software Developer, Office of Admissions, University of Texas at Austin (2016-2017),**

<https://admissions.utexas.edu/>, <https://finaid.utexas.edu/>

- Webmaster/sole developer for multiple Drupal 7 and WordPress instances – UT Admissions, Financial Aid, and related properties – including security, backups, and synchronization between dev, test, and production environments.
- Develop PHP and MySQL applications for the public and administration using the campus LAMP stack: Red Hat Enterprise Linux 7, Puppet, Nginx, Apache, PHP 5.6 and 7.0, MySQL 5.x, and CSS3/HTML5.
- Perform testing and maintenance of campus OpenAM IAM system using Docker, Jenkins, and AWS.
- Perform log analysis and monitoring of critical systems with Splunk and Nagios.
- Manage and document code for all systems in campus Git and SVN repositories.
- Collaborate with customers, developers, systems administrators, and management using issue and project tracking software including SharePoint, Jira, and Confluence.
- Maintain and extend C#/ASP.NET/SQL Server applications built on the Ellucian Recruiter/Microsoft Dynamics CRM platform, used for communicating with prospective UT students and scheduling campus events.
- Develop and extend Django/Python applications using internal Vagrant-based virtual machine setup.
- Assist in building and deploying marketing emails and texts to University of Texas students using responsive design strategies. Technologies used include HTML5, CSS3, jQuery, and Bootstrap.

### **Owner/Systems Architect, GeoffStratton.com Hosting (2011-Present), <http://www.geoffstratton.com/hosting>**

- Sole owner/employee responsible for all aspects of independent custom web hosting and development company: marketing, billing, procurement, systems administration and development, data backups and redundancy, and customer service. Currently hosting 11 paid web sites that serve up to 3,500 unique visitors per day. Technologies used for infrastructure include:
  - Operating systems: CentOS, Fedora, Debian, Ubuntu
  - Configuration management: Puppet

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- Web servers: Apache 2, Nginx
- Databases and libraries: MySQL/MariaDB, PostgreSQL, SQLAlchemy for ORM, PDO
- Email: Postfix, Dovecot, SpamAssassin, Amavis, ClamAV, SquirrelMail, RoundCube
- Performance: Varnish, Pound, Memcached, Redis, APC, Zend OPcache, PHP-FPM, FastCGI
- Backups: BackupPC
- Version Control: Git
- Security: UFW/iptables, Fail2ban, Snort, Samhain, OSSEC
- CMS/Web Frameworks: WordPress, Drupal, Joomla!, Django, Zope, Plone
- Programming/Scripting: Bash, PHP, Perl, Python, JavaScript/jQuery

## **Programmer/Sysadmin, UC Davis (2005-2013), <http://www.ucdavis.edu/>**

- Lead Web Developer (Contract), Humanities, Arts, and Cultural Studies (2012-2013), <http://langlit.ucdavis.edu/>, <http://hip.ucdavis.edu/>, <http://arts.ucdavis.edu/>
  - Build custom web sites and applications using a variety of technologies: C#.NET, VB.NET, Drupal, PHP/MySQL, PostgreSQL, Python, Perl, WordPress, Zope/Plone, jQuery, Modernizr, JavaScript, and JSON.
  - Act as Linux systems administrator, Windows systems administrator, database administrator, and webmaster for 25+ Drupal 6/7 web sites, multiple Zope/Plone installations, multiple IIS/.NET and MSSQL installs, multiple WordPress and TextPattern installations, multiple Red Hat, CentOS, Debian, and Ubuntu servers, a pfSense border firewall, and the OTRS help desk system.
  - Configure servers, IIS, SQL Server, Apache, Nginx, MySQL, PostgreSQL, Postfix, Dovecot, caching and performance enhancement tools, and network security systems as required.
- Bibliographic Databases Coordinator, Shields Library (2011), <http://www.lib.ucdavis.edu/>
  - Administer the Library's primary bibliographic database and Integrated Library System, an Oracle 9 system (Aleph) storing millions of records, controlling all aspects of library business including circulation, finance, and personnel. Perform data import, export and reporting as required.
  - Complete updates to the main Library web site, online catalog, Unix and Linux servers, internal MySQL databases and internal applications as required.
  - Convert and analyze data in multiple formats, including XML/XSLT, Unicode, csv, .xls/x, .mdb, .doc/x, delimited and the MARC21 bibliographic format.
- Software Developer/Systems Administrator (Languages & Literatures, 2006-2011), <http://langlit.ucdavis.edu/>
  - Perform all aspects of IT management for Languages & Literatures as needed, including tier 1 help desk support; computer purchasing, installation, and repair; network administration and security auditing; systems administration and security auditing; custom applications development; and web site development and maintenance.
  - Support a highly diverse, multicultural, and multilingual user base, including the setup and repair of non-English computing devices and the development of multilingual web sites.
  - Develop in Python, SQL, PL/SQL, JavaScript, .NET, PHP, Perl, and bash to build applications, web sites, system administration tools, and reporting mechanisms.
  - Administer Ubuntu, Debian, Fedora Core, CentOS, Red Hat, OpenBSD, Windows 2003/2008 and Mac OS X servers and workstations for approximately 300 departmental users.
  - Deploy and maintain services including iptables, pf, Apache, Postfix, backuppe, Squid, PostgreSQL, MySQL, Nagios, Nessus, Active Directory, DHCP, XMPP, Plone, Zope, and Xen.
- Web Developer, Shields Library (2005-2006), <http://www.lib.ucdavis.edu/>
  - Act as webmaster for the UC Davis General Libraries. Write PHP, valid XHTML/CSS, JavaScript, and SQL code for web sites and applications.
  - Perform updates to Microsoft Access, Oracle and MySQL databases and the library's ColdFusion and Samba servers.
  - Write bash and Perl scripts for file maintenance and web page generation using common utilities including vim, sed, find, grep, and rsync.