

Profile

Senior programmer and system administrator with eight years of experience, including six and half years in high-tech startups. Author or co-author of several web applications, including the Veritat Advisors website and Newfield TrueCall™, a product sold to numerous cellular networks nationwide. Seeks a position in a high-technology firm. Proficient in Python, C, Ruby, Perl, SQL, JavaScript. Familiar with Java, PHP.

Work History

- 2008- *Veritat Financial Advisors · Philadelphia, PA* *Programmer · System Administrator*
- Senior developer and EC2 deployment engineer, building a secure, internet-based, fee-only financial planning service with a team of two junior developers, using Python and Ruby.
- 2001-2007 *Newfield Wireless · Berkeley, CA* *Programmer · Chief System Administrator*
- Co-developed TrueCall™, a commercial, Python-based web and server application that provides statistical maps of mobile phone usage. Designed the TrueCall™ servers, which are deployed in ~ 20 cellular networks nationwide, and which serve 1-2TB of call data each.
 - Developed an HTTP-based, encrypted software license manager and client using OpenSSL, MySQL, Python, C++, and the FLTK UI toolkit. Developed various programs for optimizing path-loss models and for migrating GIS data for a dozen Verizon Wireless regions.
 - Supported scientists and engineers using Windows, Solaris and OS X at Newfield Wireless and its clients, including Verizon Wireless, AT&T, and T-Mobile.
 - Managed information technology as the company grew from 5 to 30 employees. Built and administered ten servers running every major UNIX OS and platform. Designed and managed traffic shaping VPN gateways and ensured daily, incremental backups of 1TB.
- 2006 *Treatment Action Campaign · Cape Town, South Africa* *Volunteer System Administrator*
- Rebuilt the servers and firewalls for the main and Khayelitsha Township offices of the TAC, South Africa's preeminent HIV advocacy organization. Trained a junior system administrator. Wrote complete manuals documenting the new servers and firewalls.
- 2005-2006 *Baltimore Hebrew Congregation Day School · Baltimore, MD* *Math Instructor*
- Taught accelerated Algebra, Geometry, and a survey of advanced mathematical concepts.
 - Fulfilled IT needs for over 30 teachers and administrators.
- 1999-2001 *Deep Springs College · Deep Springs, CA* *Network Administrator*
- Served as the college's sole network administrator. Maintained the radio link used for all phone and internet connections. Installed and repaired phone lines and network hardware.
- 1998-2009 *Artifex.org · Houston, TX* *Founding and Active President · System Administrator*
- Coordinate the volunteer management of Artifex.org, a non-profit internet hosting provider.

Skills

Languages: C/C++, Python, Ruby, JavaScript *Server OS:* Solaris, RHEL 5, Debian Linux, OS X, BSD
Data Mgmt: MySQL, R, Subversion, Mercurial *Services:* Apache, Samba, LDAP, OpenSSL, SSH, VPN

Education

- 1999-2001 Deep Springs College Admissions Officer. Student Labor Commissioner.
- 2001-2003 University of California, Berkeley *B.A., Classical Languages.* Chair's Award.
- 2005-2006 University of Maryland, Balt. Co. Molecular Genetics, Cell Biology, Organic Chemistry.

References and a longer summary of technical experience are available on request.