

Edward Langley

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3900 Hamilton St. H204
Hyattsville, MD 20781

- PROFESSIONAL SKILLS Experience using a wide variety of programming languages to design and implement applications.
- A solid grasp of web technologies, both frontend and backend.
- Comfort using and administering a variety of Linux distributions as well as non-Linux Unices.
- Experience configuring and maintaining networks, including remote access technologies such as OpenVPN, OpenSSH and VNC.
- Experience configuring and maintaining web servers, including both NGINX and Apache as well as various FastCGI services for hosting web applications.
- Experience configuring and maintaining email servers and spam filtering.
- COMPUTER SKILLS Python, JavaScript, PHP, C, C++, Java, SQL, Ruby, Haskell, OCaml, Common Lisp, \LaTeX .
- HTML, CSS (Compass, Sass, Bootstrap, Susy grids), AngularJS, jQuery, Backbone.js, Knockout.js, Drupal, Symfony2, Apache, Nginx.
- Git, Mercurial, Subversion, CVS
- MySQL, PostgreSQL, Interbase/Firebird, BerkeleyDB, MongoDB, Redis
- Postfix, Sendmail, Dovecot, OpenDKIM, DSPAM, Roundcube
- Vi/Vim, VirtualBox, OpenVPN, NFS, Samba
- Unix, Linux, FreeBSD, Solaris (SmartOS), Mac OSX, AWS (EC2, S3, RDS, Route53).
- EXPERIENCE
- | | |
|---|---|
| Programmer
2014–present | Independent Consultant
Hyattsville, MD |
| Produced a theme for an e-commerce site. Designed and Implemented a deployment strategy for Amazon's cloud services (EC2, RDS, S3). Implemented and themed a new e-commerce platform. | |
| Python Programmer
2007–2012 | NCMI, Baylor College of Medicine
Houston, TX |
| Built a web framework for EMEN2, a document-oriented database for recording scientific experiments. Improved EMEN2's reliability and performance by debugging and fixing memory leaks and taking advantage of Berkeley DB's transactional storage. Implemented the JSON-RPC 2.0 protocol (https://www.github.com/NCMI/jsonrpc). Prototyped OpenID authentication. Managed migration to EMEN2. | |
| IT Assistant
2004 | Desktop Assistance, L.P.
Houston, TX |
| Installed and configured Linux desktops and servers. Built a Linux distribution based on Fedora Cores 1 and 2 for internal use. Researched, installed and configured a variety of server applications including: databases, Apache, Squid, Samba, NFS. | |
- PUBLICATIONS
- Rees, I., Langley, E., Chiu, W., & Ludtke, S.J. (2013). *EMEN2: an object oriented database and electronic lab notebook*. *Microsc Microanal* 19, 1-10

EDUCATION

Thomas Aquinas College, Santa Paula, CA
Bachelor of Arts, Liberal Arts, 2012

GPA: 3.96

The Catholic University of America, Washington, DC
Ph.D Student, Philosophy, 2012–present

GPA: 3.84