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   Independent Consultant
2014–present   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   NCMI, Baylor College of Medicine
2007–2012   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   Desktop Assistance, L.P.
2004   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