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Summary

Experienced generalist software engineer. Teacher. Former English academic.
Most recent work is Python + App Engine + JavaScript. Past work on assorted LAMP stacks.

Experience

Software Engineer, Google Inc., Engineering Education Group: 2009-12

- Led design and development of question and answer system integrated with Google's internal development tools (source control and repository, build, logging, etc.). Python, App Engine, JavaScript, numerous proprietary system components.
- Designed and developed scalable, reusable App Engine Python infrastructure for building projects using Google's internal toolchain and integrating with Google's production services. Used in ~100 products. Python, App Engine, numerous proprietary system components.
- Designed and developed numerous information retrieval and management tools used in the education of the thousands of Google software engineers. Python, App Engine, Javascript, numerous proprietary system components.

Learning and Development Applications Engineer, Google Inc., Engineering Education Group: 2006-9

- Designed and developed a system for decorating documents with user-supplied metadata (comments, ownership, deprecation information, etc.), deployed to all Google non-datacenter machines. Client: JavaScript/XUL Firefox extension. Server: Python, Django, Apache, MySQL.
- Led design and development of the Tech Talks Database, a system for scheduling, recording, encoding, and storing resources (video, presentations) for all tech talks given at Google. Python, Django, Apache, MySQL.
- Wrote curricula and delivered classes to thousands of Google engineering newhires and longtime software engineers. C++, Java, Python, Bigtable, MapReduce, Protocol Buffers, numerous proprietary system and production components.

IS Technical Support Specialist, Google Inc., Internal Systems Group: 2004-6

- Maintained Google's HR systems and integrations (payroll, insurance, stock, etc.). Wrote new integration points as necessary. Ensured transition to SOX compliance. Ensured successful transition to replacement system. Java, Apache, MySQL, numerous proprietary system components.

Webmaster, University of Michigan School of Natural Resources and Environment: 2001-4

- Authored web file transfer utility for payloads up to 800MB in size. Perl, MySQL.
- Ported organization's web stack and content from legacy system to a modern production environment with numerous upgrades (authentication systems, replicated databases, etc.).
- Developed events calendar application. PHP, Apache, MySQL, JavaScript.
- Developed asset tracking system for school's IT equipment. PHP, Apache, MySQL, JavaScript.

Graduate student instructor, composition, University of Michigan English Department: 2002-4

- Designed and implemented writing curriculum for incoming students. Subjects included argumentation, logic, and textual analysis. Advised students on their work.

Academic Honors

- Colby Fellowship, University of Michigan, 2002-4.
- Meijer Fellowship, University of Michigan, 2003.
- Meader Family Award, University of Michigan, 2003.

Education

- MFA Poetry, University of Michigan, MI, USA, 2004.
- BA English Literature, University of Michigan, MI, USA, 2002.