Mark Jason Dominus

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PROFESSIONAL SUMMARY

Perl Expert – Programmer – Developer - Lecturer – Writer - Instructor

CAREER ACHIEVEMENTS

IC Group – Philadelphia, PA   2009 - 2012
Senior Developer
Part of small elite team with complete responsibility for maintenance of 15-year-old codebase and development of new software to serve 18,000 customers.
- With another senior developer, designed and implemented a complete replacement for IC Group's internal billing and accounting system
- Completely rewrote email filtering feature, a major customer-facing service; the rewrite was backward-compatible with the legacy customer filter database
- With another senior developer, designed and implemented a replacement for the company's core product, an email queueing and delivery system

PENN GENOME FRONTIERS INSTITUTE – Philadelphia, PA   2006 - 2009
Chief of Software Engineering
Part of a four person team of developers of TreeBase 2, with principal responsibility for the development of search features and migration of several hundred million legacy records.
- Design and development of a web-based accounting system for the Beowulf supercomputing cluster.
- Planned and delivered summer classes in bio-informatics Perl programming

UNIVERSITY OF PENNSYLVANIA - Philadelphia, PA   2004 - 2006
Senior Programmer – Information Systems and Computing
Responsible for development and maintenance of software used to manage accounts, email services and network security for 14,000 students and 10,000 staff and faculty
- Lead in project to start regularly using a revision control system and in developing automated regression tests for our software
- Developed new modules to manage the user name functionality for the student e-mail system to enhance ability to update system as policy changes occurred and to provide greater access speed.   The new code was much more modular than before, and much more flexible, because the modules could be combined and plugged together different ways in response to changing policy. The name-generating program ran a ***hundred times*** faster

PLOVER SYSTEMS - Philadelphia, PA   1995 - 2004
Principal/Consultant
Plover specialized in developing interactive, network available applications using "CGI scripts" and also provided systems and security consulting.
- Developed the on-line commerce sites for Clinique and Origins cosmetic brands
- Developed interactive applications for Reel-Time, CyberMedical, The Prudential Insurance Company of America, Medical Broadcasting Company, Schering Drugs and Time-Warner
- Contributor to the core of the Perl Language

CAREER ACHIEVEMENTS - continued

TIME WARNER – New York City, NY   1994 - 1995
Senior Systems Engineer
Chief technical engineer at Pathfinder, the company's first World-Wide Web project and main Internet service.
- Developed Web applications, planned technical and security infrastructure, administered the UNIX systems
- Coordinated with 30 content partners and managed four programmers

UNIVERSTY OF PENNSYLVANIA - Philadelphia, PA   1990 - 1994
Systems Programmer
Supported and maintained 400 applications. Administered workstation lab. Developed applications in C, Perl, shell.

LECTURING AND TEACHING EXPERIENCE

- Keynote address at the ACM 2008 OOPSLA Conference
- Developed and delivered classes on Perl worldwide for corporate and government clients: Morgan Stanley, IBM, U.S. Air Force, Schering Drug, Nortel, British Telecom, National Center for Biotechnology Information, Space Telescope Science Institute, Fleet Bank, etc.
- Perennially popular speaker at many conferences including Usenix, LISA, OSCON
- University of Pennsylvania – Taught full-credit C programming class summer 1992

WRITING AND EDITING EXPERIENCE

- *Higher-Order Perl* – (2005, Morgan Kaufmann) "One of the best books on programming I have read for a long time." (Martin Schweitzer, *Computing Reviews*)
- Managing Editor – www.perl.com – edited articles by myself and others
- Columnist – *The Perl Journal* – contributed 14 feature articles; most reprinted in *Computer Science & Perl Programming: Best of the Perl Journal.* (O'Reilly and Associates)
- Published articles also in *WIRED*, *IEEE Software*, *PerlMonth*

COMPUTER SKILLS

Operating Systems	Programming		Database
UNIX	Perl	C	Oracle
Linux	Java	Haskell	MySQL
Mac	Lisp / Scheme	Fortran	DB2
	Many others		

EDUCATION

Degree Program: Mathematics, Rensselaer Polytechnic Institute
Graduate Coursework at University of Pennsylvania – Mathematics and Computer Science
Graduate Coursework at Columbia University – Mathematics and Computer Science