

ERIC SHANE RADMAN

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PROFILE

⇒ Results orientated solutions developer with 11 years experience in building network services using open-source tools. Current work focused on test-driven development.

SKILLS INVENTORY

1. Proficient in supporting mission-critical services on UNIX systems (BSD, Linux) and open source databases (PostgreSQL, SQLite).
2. Effective in engineering software solutions using a variety of languages (Python, SQL, C, KSH, Ruby, Perl, OCaml) with a special emphasis on generalized interfaces and efficient code.
3. Accustomed to supporting and securing multi-site networks using Cisco and BSD-based firewalls over a variety of protocols (IPv6, GRE, IPSec, Frame Relay and PPP). Also able to design and support multi-node hybrid voice networks with Tadiran PBXs.

PROFESSIONAL EXPERIENCE AT D. E. SHAW RESEARCH, LLC

1. Release engineer and user support for Job Engine, a job management tool written in Python and shell used to create, manage, and run Anton jobs. Special care was taken to integrate data from system failures to allow automatic recovery of running jobs.
2. Key developer for Django-based Anton Management System. Introduced full set of unit tests and evolved the production software to meet requirements in a timely manner through incremental refactoring and frequent releases.
3. Designed and implemented tooling for administering and monitoring Anton hardware and developed a responsive user interface for graphing submachine state history and utilization (C using cairo and libpq).
4. Provided on-call systems maintenance for large data center (1500+ Linux nodes) and methodical support of sixteen 512-core Anton supercomputers.
5. Overhauled an internal web application written in Perl to track key metrics at each phase of ASIC design for Anton “v2”. Replaced intermediate tabular text files with a data access layer using SQLite combined with a thorough unit test framework to produce a tool that was informative and easy to adapt.
6. Conducted approximately 50 in-house, phone, and video interviews for positions in operations, system software, and system administrators.

PROFESSIONAL EXPERIENCE AT TELECOMMUNICATION ENTERPRISES INC.

1. Provided consulting and support for voice and data networks for an average of sixty companies yearly in Eastern Pennsylvania and the Southern Tier of New York.
2. Managed all aspects of running teisp rint.com, a local ISP which includes support and documentation for 8 dedicated T1 and ISDN connections; 1300 dial-up users, 2100 e-mail addresses, and 20 web hosting accounts.
3. Developed numerous in-house tools, including a full-featured ticket management application in Python, a complete e-mail and dialup account management and invoicing system in Ruby, and a call-detail reporting system for the Tadiran PBX in OCaml.

WORK HISTORY

Systems Support and Development at D. E. Shaw Research, LLC – Endicott NY, June 2010 to present

Contractor, supporting Software and Hardware Infrastructure at D. E. Shaw Research, LLC – Endicott NY, Mar 2009 to June 2010

Network Administrator and Systems Consultant at Telecommunication Enterprises Inc. – Clarks Summit PA, Oct 2001 to Jul 2009

Software Instructor at New Horizons – Bethlehem, PA, Summer 2001

Self-employed Web Designer – Dalton, PA, 1999-2000

Graphics Instructor at The High Road Upper School – Somerset, NJ 1998

Graphic Designer at Lamplighter Publishing – Waverly, PA 1996-1997

EDUCATION

1998 Home-schooled grades 1-12

CERTIFICATIONS

2009 Earned the BSD Associate from the BSD Certification Group

2001 Brainbench Certified Internet Professional with concentrations in Graphic Design, Multimedia, and Database concepts

1999 Adobe certified in Photoshop

1997 DLS certified in *Troubleshooting, Maintaining, and Repairing Personal Computers*

OTHER

References available upon request.