

Kyle Burton

345 South Devon Ave., Wayne, PA 19087
610.971.2296 (home) 610.659.6040 (cell)
kyle.burton@gmail.com

Professional Experience:

Director of Architecture, Health Market Science

May 2001 – Present

Accomplishments

- Lead and mentored team of 3 architects; 7 developers.
- Technical Lead for DataWolf Matching Application. Lead development team from project inception through deployment to production. Application achieved higher quality match rates than the previous system, as well as supporting completely fuzzy criteria (edit distance and GIS indexes).
- Lead Software Designer and Developer for Web Harvesting application - turning data driven websites into local relational databases used to harvest public domain and subscription information sources. Utilized data flow approach, introduced landmark parsing and extraction for simplified data extraction.
- Senior Developer for primary data integration platform HMS Data Pump. Developed data warehousing applications, matching and transformation algorithms and libraries. The Data Pump integrates over 100 million records from several hundred data sources, each with their own distinct data model into consolidated master databases.
- Lead Developer for high profile GSK data integration project. Installed extended and customized HMS Data Pump including development of custom matching and auditing analysis applications. Worked on-site with client developing requirements, implementing features, performing analysis and providing production support.
- Developed Phonetic Human Interactive Proof (HIP) for the Center for Medicare and Medicaid to help protect website data from being harvested. This feature allowed the website to comply with the Americans with Disabilities Act while providing for some protection of the data set.
- Served as technical liaison during successful application of funding from Ben Franklin Technology Partners.

Responsibilities

- Manage teams of architects and developers, interview new candidates, perform semi-annual reviews, develop project plans, and mentor team members.
- Enforce software development best practices including test driven development, issue tracking software, continuous build software and code reviews.
- Research and Development of new technologies and techniques for representing, processing and analyzing data. Evaluation of libraries and software packages.
- Interact with internal and external clients to develop requirements, produce design documents, develop new software features and perform production support.

Technologies

- Java, Clojure, Perl, JScheme, C, C++, Oracle, MySQL, PostgreSQL
- Linux, Solaris, Windows XP, Apache, JBoss, Maven, JUnit

Lead Developer / Application Architect, The Sycamore Group

March 1999 - April 2001

Accomplishments

- Lead the development of the vwrsp.com E commerce web site with 4 developers over 5 months. Site went into production in 2000 and was producing \$1 million/day in sales in 2002. Site reduced order overhead cost from \$11 (phoned or faxed orders) to \$2 per order. Site supported custom real time pricing (in specific cases per customer), and

integration with SAP (via OCI). As of September 2007, the site is still running from this code base .

- Co-architect and Lead Developer for Merck Eurolab E commerce website to unify European sales and distribution channel. Site supported multiple languages and currencies. Integrated with SAP back end system.
- Additional projects included application development for AEgon, and Bell Atlantic.

Responsibilities

- Interview, qualify and select new developers.
- Enforce software development best practices including software design reviews, test driven development, the use of issue tracking software, and informal code reviews
- Conducted internal and external training classes on Perl, web architecture and web development with Perl.

Technologies

- Java, Perl, C, C++, BEA Weblogic, Solaris, Linux, Apache, mod_perl, Oracle

Software Developer, Rosenbluth International

April 1997 - March 1999

Accomplishments

- Introduced Perl for integrating Rosenbluth systems with major Airline Reservation systems. Software factored out major portions of protocol handling allowing for rapid adaptation to protocol updates and newly introduced features in reservation systems with configuration updates rather than software releases.
- Conducted internal training classes for the Perl programming language.
- Proposed, designed and developed cross platform C++ share libraries used across multiple internal projects..

Responsibilities

- Mentoring junior developers, interviewing and selecting developer candidates.

Technologies

- C++, Java, Perl, HP-UX, Linux, Windows NT, Oracle, Netscape Enterprise Server

Software Developer, Computer People (Towers Perrin)

June 1996 – March 1997

Software Developer, Preferred Benefits Corp. / Merrill Lynch

March 1995 – June 1996

Education:

Widener University, Information Systems Studies

1996 – 1997

Penn State University, Ogontz Campus, Electrical Engineering Studies

1991 – 1992

Open Source and Community:

Open Source projects: developer for JScheme, Perl Application Server, the String::Nysiis, String::KeyboardDistance, and Tree::MultiNode Perl modules, and the periodic table application GPeriodic. Contributor to Jakarta's HttpClient library and to SpeechIO, a text to speech integration tool previously utilized by the Blinux project.

Professional Memberships:

Philadelphia Area Java Users Group (Philly JUG)

Philadelphia Linux Users Group.