

# Kyle Burton

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Talented and accomplished technology leader with 20 years experience. Expertise in Internet technologies, services, Cloud Computing, systems integration and product design. Strong strategic and long-range planning abilities; skilled in setting product and technology strategies.

## VP Software Development, Relay Network

April 2010 – Present

Brought on board to build Relay's technology platform and engineering team from scratch. Relay's platform enables their customers to mobily connect to more of their customer base, increasing conversions, reducing costs, and extending the reach and effectiveness of their communications.

### Accomplishments

- Recruited and mentored engineering team of 6 full-stack developers, indoctrinated new developers to Functional Programming, Clojure, Relay's processes and technology stack.
- Migrated On-line Services from Managed Hosting Provider to Amazon Web Services while maintaining continuous availability of user facing APIs
- Defined and enforced SDLC, Agile process and Engineering best practices
- Led the use of techniques for continuous delivery of Relay services, maintaining continuity of services during deployments including the use of automated integration testing, database migrations, versioning of APIs and data types, architectural designs, and the use of feature isolation to keep Relay's systems in a releasable state and eliminate release coordination with vendors and clients.
- Led and encouraged team's involvement in the technology community to maintain awareness of Relay's Technology team, build professional network and stay abreast of new technologies.
- Awarded Philadelphia Business Journal "Top IT Pro: Startup Tech Star" 2013

### Responsibilities

- Worked directly with founders developing company vision, products and supporting clients.
- Worked with product team to define requirements, Product Road-map and deliverables.
- Designed and architected Relay's systems to maintain reliability and performance objectives, and internal and customer SLAs.
- Worked with Partners and Outsourcing firms to augment Relay's capabilities
- Technical project lead for Relay when working with design firm to develop the first version of the Relay Wire.
- Worked with ESL Labs to enhance Relay's Interactive Chat services improving reliability and scalability.
- Balanced progress of product road map with injected customer and operational needs.

### Technologies

- AWS, Clojure, JavaScript, Storm, Backbone.js, Ruby, PostgreSQL, RabbitMQ, Chef, Redis, Linux, Jenkins CI, Nginx, MongooselM, Haproxy

## Principal Software Engineer, Algorithmics

July 2009 –April 2010

### Accomplishments

- Invited to Speak at Philadelphia Emerging Technologies for the Enterprise Conference

about the teams Agile process and technology stack.

#### Responsibilities

- Designed and developed extensions to Algorithmics financial management platform.

#### Technologies

- Clojure, Ruby on Rails, JRuby, JavaScript, jQuery, YUI, Selenium, Cucumber, Chef, MySQL, RabbitMQ, Linux

### **Director of Architecture, Health Market Science**

**May 2001 – July 2009**

#### Accomplishments

- Led and mentored team of 3 architects and 7 developers.
- Technical Lead for DataWolf Matching Application. Led development team from project inception through deployment to production. Application achieved higher quality match rates than 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

- Managed teams of architects and developers, interviewed new candidates, performed semi-annual reviews, developed project plans, and mentored team members.
- Enforced 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.
- Interacted 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

- Led 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. Order overhead reduced from \$11 to \$2. Site supported custom real time pricing,

and integration with SAP (via OCI). Site ran from this code base for more than 10 years.

- 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

- Interviewed, qualified and selected new developers.
- Enforced 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

- Mentored 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, Incomplete

1996 – 1997

Penn State University, Ogontz Campus, Electrical Engineering Studies, Incomplete

1991 – 1992

<https://github.com/kyleburton/>