Stephen's CV

Programming
Perl – 15 years
PHP – 7.5 years
C, C++ - 1.5years
Ruby – 6 years
Node.js -3 years
Python – 5 years

Databases
Mysql – 15 years
SQL Server – 4 years
Postgres – 8 years
SQLite – 5 years

Web
HTTP, HTML, SOAP, JSON, mod_perl, Apache, nginx

Systems
Debian – 15 years
CentOS – 12 years
Ubuntu – 5 years
Xen – 7 years
VMWare – 6 years

Version Control
Aegis, SVN, Git

Attributes
Quick Learner.
Business Analysis.
Self Motivated.
Dependable.
Enthusiastic.

Links
http://theonlystephen.com
http://www.github.com/swmcc

PERSONAL STATEMENT

I have over fifteen years experience in web to database integration and transaction based web application development. I am an innovative self-starter, motivated by new challenges and an accomplished team leader with a professional and dynamic approach to the industry.

EXPERIENCE

MissionIQ – *Senior Software Engineer Sept 13 – present*

6 Clarence Street, Belfast, BT2 8DX

MissionIQ has several companies attached to it so work is split up into several companies.

Six Degree Labs

- Core member of a team (three people) set up to retain business continuity for a local company (utvinternet) during a selling process and porting their data to a third party (ebillz) (9 month contract).
- Core member of a team (two people) assigned to develop a flickr like web app to be used in conjunction with 19 Management and Haig Whiskey for asset management. David Beckham was promoting Haig Whiskey and any media assets had to go through a vigorous legal system as both parties had to sign off on their products. (https://www.haigclubmedia.com).
- Core member of a team (four people) to develop a Menu making application for iOS, Windows and Androids for the diageo drinks company. (https://vimeo.com/83648037)
- Core member of a team (two people) that created an asset management system for Bushmills Whiskey.
- Sole member of an insights app that brought in all the metrics on each of our applications.

Rocket

- Added reporting feature to take the Facebook insights API and in conjunction merge the reports with google analytics. Giving a richer experience than the reports that Facebook were giving.

SaltDNA

- Added in reporting feature on the portal site on customer/client usage to gauge metrics on user growth/potential to feed back into our 'insights' app.
- Wrote various helper scripts to parse logs to report out information on system usage.

AuditComply

- Core member of the back-end development team. As such am responsible for ensuring the quality of the code.
- Fostered a culture of testing. This is a mixture of BDD and TDD. Since

moving onto this project in Oct 13 we have attained a code coverage of 86%.
- Wrote the analytics engine that powers the application.
- Wrote the reporting engine that powers the application.
- Migrated the app to be timezone aware as the app was naive in this regard.

Repknight – *Senior Software Engineer Oct 12 – Sept 13*

37A Upper Dunmurray Lane, Belfast Northern Ireland BT17 0AJ

- As a senior developer I had to bring in a level of 'maturity' into this startups eco system. This involved moving them to version control (git) – deployment strategies (capistrano) and full life cycle development. Also had to move devs to 'Vagrant' instead of using MAMP etc.

- The database is currently 294GB and I have moved several parts of the application to be driven by Lucene and Cassandra to offer a near real time experience within the app.

- Wrote an API (sinatra) for the application so that any 'intelligence' from the front end 'PHP' was taken away. This way innovation could happen much faster.

- Re-wrote the Java datacap modules (scaffolded in groovy). Took all the individual feeds (twitter firehose, facebook, flicker etc) and had them using one app instead of one app per stream.

- All apps now render information into mongodb for data analysis on app performance.

- Re-wrote the internal SQL to deliver requests quicker. Moved from MYSIAM to InnoDB so writes can happen faster etc.

- At the time of writing am building a hadoop cluster for certain parts of the app to render out information quicker.

- Was the technical lead that moved the repknight solution to IL2 – currently moving to IL3.

- Wrote chef recipes for our internal cloud infrastructure for the distributed nodes for the MySQL engine (time of writing this is not 'live' but in the 'beta' stages).

Tascomi Ltd – *Senior programmer/Technical Lead* June 09 – Oct 2012

3 Ballynahinch Street, Hillsborough Northern Ireland BT26 6AW

During my time at Tascomi I have worked on the following projects:

- Moved their systems (ninety eight in all) from one server to several virtual servers. Each council has their own server pool..

- Adopted a source control (svn) system for all projects.

- Formal code deploys using capistrano.

- Testing in code bases.

- Re-wrote a seven year old project that was deployed across ten councils. Enabling rapid deployment of an old system.

- Maintaining the on-line portion of the councils websites.

- Integrated GIS into the projects - this was using cartoweb and mapserver.

– Developed and maintain a webservice for integration into Tascomi's Build Systems for LPS (Land and Property Service) for address addition. Before this was done using a CSV and a manual upload.s.

Rehab Studio Ltd – *Technical Lead* Dec 08 – June 09

Unit 12, 8 Cromac Avenue, The GasWorks, Belfast BT7 2JA

Reporting to the CTO my duties included managing a team of eight developers (in the belfast studio) and two developers in both the London and Prauge studio. I moved the development team from a purely php4 module driven coding method to php5 OO. I got them to adapt to a MVC methodology (using CakePHP)

Mail Distiller Ltd – *Senior Software Engineer Sep* 07 – Dec 08

NI Science Park, Innovation Center, Queens Rd, BT3 PDT

I was brought in to initially mature their code base from a library of scripts with application logic and display logic mixed throughout their system to a fully OO MVC Platform. I developed an API (XMLRPC) to their internal engine and have begun to rewrite major processes of their back end email tracking systems.

Their web systems are built in PHP and MSSQL. I migrated them to continue to be written in PHP, but I moved their database to PostgreSQL. Their back end system is written in PERL which I rewrote to be more extendable. I adopted a SCRUM methodology within the development team, which proved to be very effective in releasing a new code base every thirty days.

– Mentor a team of three programmers, ranging from a programmer out of college to one who has 3 years experience.

– Adopt coding standards inside a SVN system.

– Adopt Trac as a management system for tasks throughout the development team.

– Integrated automatic billing of the customers by exporting the accounts to SAGE.

– Streamlined the account sign up process from a 10 minute process to an automated check.

– Designed and wrote the 'Partner Portal' that enables 3rd party vendors to sign partners/leads/orders straight into the Mail Distiller system with any assistance from sales managers.

– Introduced SugarCRM as a replacement for Goldmine. This enabled integration with an API on the portal.

Sendit.com – *Programming Manager* Apr 02 – Sep 07

Unit 2, 42 The Cutts, Dunmurry, BT17 9HN

I held several positions within my time at Sendit/Blackstar.

I came in initially as a Software Developer, and was later promoted to the post of Senior Software Engineer. I was then promoted to Program manager, reporting directly back to the General Manager.

The system at BlackStar/Sendit was bespoke from the website to the internal systems such as billing, stock fulfillment and accounts. Below are some examples of the work I completed:

Report Generation / SQL Queries

Each department required detailed reports at the end of the week/month/financial

year. This required the reports to be very database heavy. I moved some of the more complex queries to an OLAP database (data warehousing) as not to impact performance on the website or internal systems. The reports were extremely detailed, and I also had to write some Excel Macros to take some raw data files and construct another report depending on what department was looking at it.

Billing Systems

The billing systems in BlackStar/Sendit were done via Datacash. However we had to maintain these systems to pass their test suite every quarter. Also they required integration of the CV2 system and Verify By Visa system. These were successfully implemented. Also we wrote our own fraud protection suite as well which enabled only one member of staff to adequately maintain and monitor this on a system that was taking over 50,000 transactions a week and over 200,000 a week at peak times.

All the code in Sendit was done in PERL and MySQL. It was a test first approach to code development.

References available on request.