

Stephen McCullough

Co-organiser of Belfast Ruby, pyBelfast and Belfast Elixir. Expertise in Ruby on Rails, ruby, sinatra,elixir, phoenix, python, django and flask.

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<http://swm.cc>
<http://www.github.com/swmcc>

EXPERIENCE

ShopKeep, Belfast/New York — *Technical Team Lead*

Oct 2016 - PRESENT

I was promoted to Team Lead of the Eco System Team in just under a year at ShopKeep. The Eco System team's mandate is to design, build, and maintain both third party integrations and in house features that extend the value of ShopKeep past the point of sale. As of May 2018 my team has released seven products since October 2016.

This role combines being highly technical while also managing a team of six developers, reporting to the director of engineering and CTO.

Technologies: Ruby, Rails, Sidekiq, Marathon, Mesos, Datadog, New Relic, AWS, S3, Redis, Postgres, Jenkins CI, Rake, React, Statsd, CodeClimate, GitHub, network security, disaster recovery, Capistrano, Docker, python, flask, django

ShopKeep, Belfast/New York — *Senior Software Engineer*

November 2015 - Oct 2016

I work on the rapidly-scaling server-side infrastructure focusing primarily on Ruby and python modules concerned with performance, security, testing, deployment stability and, of course, awesome user facing features!

As a senior member of technical staff I work closely with our Product teams to analyse & deliver what our merchants need; with our DevOps teams to react to any security or performance concerns; & with our junior engineers to review their solutions & develop their skills.

I've been involved in several technical designs to improve our existing software as well as outlining gradual migration of our larger systems to a Service-Oriented Architecture.

I was a member of a team of four that was tasked specifically to take ownership of our API layer and am still a key maintainer (as of May 2018).

Technologies: Ruby, Rails, Python, Flask, sidekiq, mesos, elasticsearch, AWS

SKILLS

Python, Ruby, Elixir, PHP, Perl, Java.

MySQL, Postgres, ElasticSearch, SQLite. Django, Ruby on Rails, Phoenix.

Mesos, Marathon, Docker, Heroku

GROUPS

Belfast Ruby - Co-organiser and frequent speaker.

Belfast Elixir - Founder, organiser and frequent speaker.

PyBelfast - Co-organiser and frequent speaker.

ATTRIBUTES

Quick Learner, Business Analysis, Self Motivated, Dependable, Enthusiastic

MissionIQ, Belfast — Senior Software Engineer

September 2013 - November 2015

MissionIQ was an umbrella company used seed for building and rolling out other small successful companies. Below is a list:

Six Degree Labs - www.sixdegreelabs.com

Diageo - implemented a menu maker mobile app which they use when visiting customers to design bar menus - we mobilised a previously desk-bound task

Haig Club - David Beckham's brand - I did the server-side work on a small team (3 of us) UTV - brought in as contractors (3 of us) to retain business continuity during a selling process and porting data to any relevant third parties.

Technologies: Python, Django, Heroku, JS, AngularJS, Apache Cordova, AWS

UTV - brought in as contractors (3 of us) to retain business continuity during a selling process and porting data to any relevant third parties.

Technologies: Python, Django, Heroku, JS, AngularJS, Apache Cordova

Rocket - A competition app builder for Facebook. My main task for this app was to build reports using the Facebook insights API in conjunction with google analytics. Giving a richer experience and more granularity than Facebook were giving. This venture failed to get enough customers and was retired.

Technologies: Ruby, Rails, Heroku, JS, highcharts

SaltDNA - www.saltdna.com - 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

Technologies: Python, Django, AWS, JS, highcharts

AuditComply - www.auditcomply.com - Core member of the backend 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.

Wrote the analytics engine that powers the application.

Wrote the reporting engine that powers the application

Technologies: Python, Django, AWS, JS, highcharts

Repknight, Belfast — Senior Software Engineer

October 2012 - September 2013

Moved the code to a version control system (git).

Created deployment strategies (capistrano).
Moved devs to 'Vagrant' instead of using MAMP etc.
Wrote an API (sinatra) for the application so that any 'intelligence' from the front end 'PHP' was taken away.
Moved several parts of the application to be driven by Lucene and Cassandra to offer a near real time experience within the app.
Rewrote the Java datacap modules. Took all the individual feeds (twitter firehose, facebook, flicker etc) and had them using one app instead of one app per stream.
Rewrote the internal SQL to deliver requests quicker.
Moved from MYSIAM to InnoDB so writes can happen faster etc.
Technologies: Ruby, Sinatra, java, groovy, jenkins, mongodb, mysql

Tascomi, Hillsborough — *Senior Software Engineer*

June 2009 - October 2012

Moved the code to a version control system (svn).
Created deployment strategies (capistrano).
Moved their systems from one server to several virtual servers.
Each council has their own server pool. Re-wrote several applications from the ground up. Integrated GIS into the projects. Developed a webservice for address addition which was previously a desk bound task.
Technologies: php, postgres, xenserver, squid, perl, gis

RehabStudio, Belfast — *Technical Lead*

Dec 2008 - June 2009

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 Prague studio.
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).
In December 2016 Rehabstudio shut their belfast office down
Technologies: php, mysql, perl, AWS

Mail Distiller, Belfast — *Senior Software Engineer*

Sept 2007 - Dec 2008

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 Platform.

I developed an API to their internal engine and have begun to rewrite major processes of their back end email tracking systems. In June 2013

Maildistiller was acquired by proofpoint essentials. Skills: php, ms-sql, perl

Technologies: php, mysql, perl, AWS, VMWare

Sendit.com, Belfast — *Programming Manager*

Apr 2002 - Sept 2007

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.

The system at BlackStar/Sendit was bespoke from the website to the internal systems such as billing, stock fulfillment and accounts.

In June 2008 Sendit.com ceased trading. Skills: perl, mysql

Technologies: mod_perl, mysql, perl, CVS, xen, debian