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

Futrli, Belfast/Brighton — *Site Lead*

Dec 2018 - PRESENT

Joining Futrli's Belfast office as the first engineering hire, I contributed to establishing the office and team along with our Operations Manager in addition to my duties as a Team Lead.

Technical lead for a team of five to design and implement a data pipeline system to support the 'Futrli' platform using Amazon **Kinesis** and a lambda architecture.

Technical lead for a team of four to design and implement a service for the purpose of scheduling events using Amazon technologies.

Technologies: Python, New Relic, AWS, S3, Redis, Postgres, Jenkins CI, DynamoDB, React, Statsd, GitHub, network security, disaster recovery, BuildKite, Docker, CloudFormation, flask, django

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

Oct 2016 - Oct 2018

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, pyton, 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!

SKILLS

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

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

Mesos, Marathon, Docker, Heroku, AWS, CloudFormation

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

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-Orientated Architecture.

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

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)

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

*Rocke*t - 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 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.

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 and 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 to a service oriented architecture.
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 internal SQL to deliver requests quicker.
Technologies: Ruby, Sinatra, java, groovy, jenkins, mongodb, mysql

Tascomi, Hillsborough— *Senior Software Engineer*

June 2009 - October 2012

I was brought in to mature their code base and practises from no version
control to fully automated deploys using capistrano.
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.

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.

In June 2013 Maildistiller was acquired by proofpoint essentials.
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.
Technologies: mod_perl, mysql, perl, CVS, xen, debian