

Patrick McAndrew

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Portfolio: <http://urg.name>

Career profile

A senior IT professional with a strong background in development and dev-ops seeking a permanent role as a senior/lead developer/dev-ops, or engineering manager.

Career history

Truveal (Remote)

Consultant

Dec 2019 - Present

- Technologies included: .Net, Php, Docker, AWS, Azure, Salesforce, Shopify
- Clients included: [Wray Castle](#), [MDSL](#), [Dixons Carphone](#)
- Drove a digital transformation project from an excel based business to Salesforce & Shopify including Sales, Marketing, e-Commerce, Course Scheduling & Enrolling.
- Migrated email processing VB desktop application to a C# micro service
- Migrated, upgraded, dockerized, & improved legacy Windows PHP 5.6 helpdesk application to Ubuntu PHP 7.4
- Improved search features and functionality for Curry's E-commerce site

[CSN Energy](#) (London, UK)

Hands on CTO

May 2019 – Dec 2019

- Key Skills: .net core, C#, Azure
- Hired & Lead Dev team of 2
- Architected and started development of Weedex UK (Market Messaging SaaS Platform)

[so-sure](#) (London, UK)

Lead Developer/Hands on CTO

Feb 2016 – Apr 2019

- Key Skills: AWS, Php, Mongo, Redis, Ansible, Terraform, Packer
- Lead dev team of 5
- Architected and developed api and website for mobile phone insurance comprising of visitor, user, claims, partner and admin functionality
- Created and implemented business processes around policy purchase, pricing, connections, cancellation, renewals, anti-fraud, claims, and support
- Created a comprehensive financial reconciliation system across policies, card (payment gateway & merchant), bacs, and bank accounts
- Ops responsibility for wearesosure.com site
- Implemented procedures for disaster recovery, backups, automatic fail-overs, server setup/configuration, monitoring and one-click build/deploy procedures

[PeerJ](#) (London, UK / Remote)

Senior Backend Engineer/DevOps Lead

Sept 2012 – Jan 2016

- Key Skills: AWS, Linux Admin, Php, MySQL, Varnish, Elastic Search, Redis
- Migrated article analytics to AWS EMR/Hive
- Implemented procedures for disaster recovery, backups, automatic fail-overs, server setup/configuration, monitoring and one-click build/deploy procedures

[Tangaro](#) (London, UK)

Hands on CTO

Aug 2011 – Aug 2012

(ceased trading)

- Key Skills: .net 4.0 Web Forms, Umbraco 4.7, MSSQL
- Lead dev team of 3 and various outsourced resource
- Architected and implemented [clipDO.com](#) including developing Apis, Bookmarklets, and Browser Extensions
- Completed projects in Telecom industry included an iPad data analysis / reporting app

Selected Smaller Projects

[Nibble](#) (London, UK)

Short Contract

Nov 2020 - Present

- Key Skills: Python, AWS, Serverless, Terraform
- Migrated a manual configuration single environment api to use Terraform & Serverless with support for multiple environments

[eSeekMo](#) (London, UK)

Side Project

Aug 2020 - Present

- Key Skills: React, Redux, Gatsby
- Created & developed site to help with job application process

[Affitise](#) (London, UK)

Side Project

Oct 2015 – Jan 2016

(trade sale)

- Key Skills: AWS, Node.js Sails.js, Mongo
- Architected and developed white label affiliate site for voucher codes

Certifications

[Certified Kubernetes Administrator](#), [Certified Kubernetes Application Developer](#), [Professional Scrum Master I](#), [Tensorflow Developer Certificate](#), [AWS Certified Solutions Architect \(Associate\)](#)

Education

[Georgia Institute of Technology](#)

BSc Computer Science

Selected Technical Skills

Languages: javascript/nodejs | php | python | c#

Frameworks/Libraries: react | vue | symfony | .net standard/.net core

DBs/NoSql: mysql/mssql | redis/elasticsearch/mongodb

Analytics: mixpanel/google analytics | sixpack (a/b testing)

DevOps: nagios/sensu | jenkins | puppet/ansible | packer/terraform | varnish/apache/nginx/haproxy | docker/kubernetes

Servers/Cloud: linux (ubuntu, centos)/windows | aws/azure

Computer skills: Skill (# years experience)

- **Languages:** HTML (19.5), JavaScript (19), CSS / Saas (19), SQL (15.5), XML/XSLT (13.75), Batch Files (13.5), TSQL (10.25), PHP (9.25), .net Framework (8), C# (8), ASP.Net (7), Perl (6.5), ASP (4.5), NodeJS (4.25), VB (4.5), Wscript/VBScript (3.5), COM (3.5), Python (3.5), CFML (2.75), T4 (1.75), WMI (1.5), Jscript (1), Silverlight (1), SSIS (1), Java (0.5), DTS (0.5), QT (0.5), Wordpress (0.5), Objective C (0.5), Apex (0.5), C/C++ (0.5), Ruby (0.25), PL/SQL (0.25)
- **Development Software:** Git (9), Visual Studio (8), Github (7.75), Komodo Edit (6.75), Phing (6.75), Gimp (6.5), Source Safe (5.5), Xcode (4.25), PHP Storm (4.25), Tortoise SVN (4.25), Clubhouse (3.75), Interdev (3), Eventum (3), NuGet (2), Cruise Control (1.5), StyleCop (1.5), Nant (1.5), FXCop (1.25), Crystal Reports (1), Bugnet (1), Trac (1), Visual Studio Code (1), OnTime (0.5), Azure DevOps (0.75), Vault (0.5), Bitbucket (0.5), Jira (0.5), Perforce (0.25), Ncover (0.25), Gitlab (0.5), MS TFS (0.25), Octopus Deploy (0.25), Win Phone 7 (0.25)
- **Libraries:** jQuery (10), Bootstrap (8), AWS Api (7.5), Symfony (7), Sixpack (6.75), Payment Gateways (7.25), SwiftMailer (6.75), Linq (5), PHPUnit (4), Log4Net (3.75), Nunit/MSunit (4.25), CasperJs (3.5), MS Enterprise Lib (3.25), Asp.Net Membership (3.25), Google Api (3.5), Elastica (3.25), MSMQ (2.5), Asp.Net AJAX (2.25), Ajax Control Toolkit (2), WCF (2), Cucumber (2.5), Entity Framework (2.5), Selenium (2), ManagedWinapi (1.5), Webpack (1.25), JQuery Tools (1.25), Flowplayer (1.25), Nmock (1), SQLite (1), RhinoMocks (1), Serverless Framework (1), Mocha (0.75), Telerik Ajax (0.75), LWC (0.5), Visual Force (0.5), Peewee (0.25), Django (0.5), Specflow (0.5), ExpressJS (0.5), Nhibernate (0.5), csdialup (0.5), HardwareHelperLib (0.5), ManagedPipe (0.5), Zedgraph (0.5), Shinobi Charts (0.5), NeatUpload (0.5), Vue.js (0.25), SailsJS (0.25), Gatsby (0.25), React (0.25), Redux (0.25), Moq (0.25), MS Sync Framework (0.25), Fancybox (0.25), jScrollPane (0.25), DevExpress Ajax Controls (0.25), JW Player (0.25), UltraPos API (0.25)
- **Client Software:** MS Office (12.25), AntiVirus (9.75), Numbers/Pages (3.75), Google Docs (3.5), LibreOffice (3.25), Goldmine (2), OpenOffice (0.5), Sage (0.5), Xero (0.25), QuickBooks (0.25)
- **System Software:** SQL Server (11), IIS (10.5), Apache (8), HaProxy (7), Jenkins (7), Varnish (6.75), Redis (6.75), Monit (6.75), Nagios/Icinga (6.25), MySQL (6), MS VSS (5.25), Ansible (4.25), Nginx (4.75), Terraform (4.25), MongoDB (4), Elastic Search (4), Kibana (4), Packer (3.75), MRTG (3.5), Subversion (3.5), Sensu (3.5), GrayLog (3.25), Puppet (3.25), Jmeter (3.25), Munin (3.25), ArcServe (3), Exchange (3), Cold Fusion (2.75), Umbraco (2.5), Allaire Forums (2), Verity (2), Sitescope (2), hMailServer (2), NTCronD (1), Opalis Robot (1), MS ISA Server (1), Postgres (1), Backup Exec (0.5), Oracle (0.25), MS CRM (0.25), XenServer (0.25)
- **Operating Systems / Cloud:** Linux (CentOS/Ubuntu), (14.25), Windows (12.25), Window Server (10), Amazon AWS (9.25), Mac OSX (8.5), Docker (4.5), Scalr (3.25), Rackspace (2), Azure (1), Hadoop / Hive (1), Novell (1), MSDOS (1), Kubernetes (0.25)
- **Networking:** TCP/IP (20.5), FTP (17.75), DNS (17.25), SMTP (16.25), SSL (14), VPN (7.75), Ethernet (7), DHCP (7), WINS (5.25), T1/T3 (2.75), SNMP (2.5), WLAN (2), DSL (1.25), IPX (1), Token Ring (0.75)
- **Hardware:** Routers/Hubs (11), PC's (5.75), Raid (3.5), Local Director (1), Compaq (1), Pix (0.5)
- **SAAS:** Google Analytics (7.5), Rollbar (4), HappyApps (3.75), Google Tag Manager (3.5), DataDog (3.5), HotJar (3.5), Optimizely (3.5), Mixpanel (3.5), Hubspot (3.5), Pingdom (3.5), NewRelic (3.5), Sentry (3.25), Mandrill (3.25), Pushmon (3.25), Thundra (0.5), Salesforce (0.5), Adobe Analytics (0.25)