Patrick McAndrew

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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

MDSL *(Remote)*   **Contract Developer**
June 2020 - Sept 2020
- Key Skills: .Net, Php, Docker, Microservices, MS Graph Api
- 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

Dixons Carphone *(London, UK / Remote)*   **Contract Senior Software Developer**
Dec 2019 - Apr 2020
- Key Skills: Php, Elasticsearch, AWS, Terraform, Docker
- Improved search features and functionality for Curry's E-commerce site
- Recommended and implemented improvements to code quality, monitoring, and relevancy testing

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
- Developed client/server prototype/alpha for new product/service integrating with existing website
- Implemented procedures for disaster recovery, backups, automatic fail-overs, server setup/configuration, monitoring and one-click build/deploy procedures

Selected Smaller Projects

[Go Fund Yourself](#) *(London, UK)*   **Side Project**
Apr 2020
- Key Skills: React, Redux, Gatsby
- Worked with founder to define & create MVP debt & budget calculator

[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**

Memberships
[British Computer Society](#)

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 (18.75), JavaScript (18.25), CSS / Saas (18.25), SQL (14.75), XML/XSLT (13.75), Batch Files (13.5), TSQL (10.25), PHP (9.25), .net Framework (7.5), C# (7.5), ASP.Net (7), Perl (6.5), ASP (4.5), NodeJS (4.25), VB (4.5), Wscript/ VBScript (3.5), COM (3.5), Python (3.25), 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), C/C++ (0.5), Ruby (0.25), PL/SQL (0.25)
- **Development Software:** Git (8.25), Visual Studio (7.5), Github (7.25), 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), 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), Visual Studio Code (0.25), Octopus Deploy (0.25), Win Phone 7 (0.25)
- **Libraries:** jQuery (10), Bootstrap (8), AWS Api (7.25), Symfony (7), Sixpack (6.75), Payment Gateways (6.75), SwiftMailer (6.75), Linq (5), PHPUnit (4), Log4Net (3.75), Nunit/MSunit (3.75), 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), Mocha (0.75), Serverless Framework (0.75), Telerik Ajax (0.75), 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 (11.75), 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 (5.75), MS VSS (5.25), Ansible (4.25), Nginx (4.5), MongoDb (4), Terraform (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), Windows (12.25), Window Server (10), Amazon AWS (9), Mac OSX (8.5), Docker (4.25), Scalr (3.25), Rackspace (2), Hadoop / Hive (1), Novell (1), MSDOS (1), Azure (0.5), Kubernetes (0.25)
- **Networking:** TCP/IP (19.5), FTP (17.75), DNS (16), SMTP (15.75), SSL (13), VPN (7.5), 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), 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), Adobe Analytics (0.25), Thundra (0.25)