

Patrick McAndrew

Near Queens Road Peckham Station, London SE15

Email: c@urgsystems.com Phone: 01622 37 0924

Twitter: [@urg98](#) Github: [urg](#) LinkedIn: [urg98](#) Kaggle: [pmcandrew](#)

Portfolio: <http://urg.name>

Overview

Senior IT professional with a strong background in development and dev-ops.

Languages: javascript/node.js | 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

Career history

[Wray Castle](#) (Remote)

Contract Digital Transformation Lead

Oct 2020 - Apr 2021

- Key Skills: Salesforce, Apex, LWC, Shopify, Azure, C#, Canvas LMS, Shopify
- Drove a digital transformation project from an excel based business to Salesforce & Shopify including Sales, Marketing, e-Commerce, Course Scheduling & Enrolling

[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)

Perm Hands on CTO

May 2019 – Dec 2019

Lead Dev Team of 2

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

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

Feb 2016 – Apr 2019

Perm Lead Developer/Hands on CTO

Lead Dev Team of 5

- Key Skills: AWS, Php, Mongo, Redis, Ansible, Terraform, Packer
- 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
- Implemented procedures for disaster recovery, backups, automatic fail-overs, server setup/configuration, monitoring and one-click build/deploy procedures

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

Sept 2012 – Feb 2016

Perm Senior Backend Engineer/DevOps Lead

Lead DevOps Team of 1

- 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

Selected Smaller Projects

[Nibble](#) (London, UK)

Ad hoc Contract

May 2020, Nov 2020 - Dec 2020

- Key Skills: Python, AWS, Serverless, Terraform, Docker, Kubernetes, React, Node.js, Next.js
- Migrated a manual configuration single environment api to use Terraform, Serverless, Docker, & Kubernetes with support for multiple environments
- Migrated ECS Fargate cluster to EKS Kubernetes cluster
- Containerised Shopify app (Node/React) & migrated from Mongo to MySql

[eSeekMo](#) (London, UK)

Personal Project

Aug 2020 - Present

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

[Affitise](#) (London, UK)

Ad hoc Startup

Sept 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

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)