

yannickmccabe-costa

mccabecosta.com • yannick@mccabe-costa

personal profile

I am a highly skilled, diverse IT professional with extensive experience in emerging technologies, customer service, business-to-business relationships and leadership. I feel that I have strong interpersonal and inter-business communication skills. In my work and personal time I engage in various projects using PHP, Python, C++ and Javascript technologies, creating systems to integrate in all facets of day-to-day operations, including the creation of a fee-free fundraising platform and a telecommunications provider number lookup tool. I thrive in an environment of problem solving and engaging with all levels of company management to ensure that work is done to the highest standard. I have extensive knowledge of UK and international telecommunications systems and the networks on which they operate.

hobbies

programming • cycling
cooking • electronics •
singing • piano • organ
synthesiser • woodwork
exploring new tech

professional

digium Certified Asterisk
Administrator • Fellow of the
Royal Society of Arts

personal

enthusiastic • dedicated
cheerful • confident • driven

projects

wonderful.org

Fee-free fundraising platform,
processing over £10K per day

getcp.io

UK Communications Provider
telephone number lookup
tool, with RESTful API.

portfolio

For my up-to-date portfolio of
works and projects I may be
working on, feel free to head
over to mccabecosta.com

experience

Operations Director and Lead Developer

Jan '17 to present

Wonderful Organisation, Manchester, UK

For the Wonderful Fundraising Platform, I was the sole, lead developer, building from scratch on bare-tin in a managed data centre. Over a period of 6 months, I developed the Wonderful fundraising platform using Vanilla PHP, ElasticSearch, MariaDB and Redis, whilst integrating with a number of third-party services for verification fulfilment and communications.

Upon the successful launch of the platform I was promoted to Operations Director to oversee the day-to-day operations and running of the platform. Wonderful's policy is that 100% of the donations made by users go to the charity, no deductions are made at all, allowing the £2.3M of donations made to date arrive at the charity unimpeded.

My day-to-day tasks involve payment vetting of over £10,000 of donations per day, fraud review and dispute resolution, again working closely with fundraisers, charities and the issuing banks, monitoring compliance of all donations data transferral, charity data acquisition and associated marketing communications from the platform.

As a FCA Small Payments Institute, we also have a reporting responsibility to them.

Network Architect and Full Stack Engineer

Jul '14 to present

Nexbridge Communications, Manchester, UK

Nexbridge is a Tier 2 ITSP (Information Telecommunications Service Provider) operating a bespoke VoIP communications platform, with interconnects to large UK ITSPs. The core USP of Nexbridge is that of a High Velocity, Short Duration telecommunications network, catering predominantly to call centre environments and larger organisations.

education

The Manchester Metropolitan University

BSc (Hons) Computer Forensics and Security
2011 to 2014

Poynton 6th Form College

A-Levels in Applied ICT, Chemistry & Physics.
AS-Level Music Theory
2008-2010

Poynton High School and Performing Arts College

GCSE's in English, Mathematics, Science, ICT, Design Technology, Food Technology, Economics, Drama, Theatre Technology
2003-2007

My projects here have included Customer VPN setups, intranet implementations, Layer 2 and Layer 3 network implementations, BGP multihoming, Customer MPLS links, OSPF and Least Cost routing, Linux server management and building, fibre interconnections, 802.1q VLAN structuring, IPS, network security and access control systems, SQL Server building, IPv4/v6 engineering, LAMP/LEMP stack creation, Asterisk Voice gateway builds, OpenSIPS SBC management and maintenance among very many others.

My day-to-day responsibilities are that of managing and monitoring the network infrastructure and ensuring that it is running at peak performance, including monitoring and continually assessing any risks and attack vectors that may come to light during the ongoing developments of our products.

It is also my responsibility to fully install, implement and maintain our web, voice and networking infrastructure in our 2 data centre locations. I have also written the vast majority of our infrastructure management, interactivity and automation software that is used every day by our engineering and support teams.

I have gained a great deal of knowledge and experience working for this company, diversifying my skills immensely.

IS&T Operations Administrator

Sep '08 to Jul '16

The Club 142, Poynton, Stockport, UK

Starting very early in the IT Trade with The Club 142 allowed a degree of flexibility that would have been otherwise impossible in a rapidly growing business. I was the principal implementer, architect and supporter of many now mission critical systems.

These systems included a WPA2-Enterprise encrypted Wireless Network Infrastructure with RADIUS backend, integrated with bespoke membership and infrastructure management system, Door Access Control System with 2D Barcode scanning capability, Web Integrated Membership Management backend, Secure online portal with card payment processing functionality, PCI-Compliant payments network, SIP telephony architecture w/ Tier 1 and Tier 2 ITSP Interconnects, Dynamically programmable IVR and SMS Messaging Systems.

skillset

802.11 technologies • active directory • android • asset management • asterisk • aws • bash • bgp • bind9 • bootstrap • caches • captive portals • carp • containerisation • cron • css3 • datacentre management • debian • dhcp • disaster planning • disaster recovery • distributed infrastructure • dns • docker • elasticsearch • firewalls • front of house • group policy • html5 • hypervisors • iis • imap • interconnects • ipv4 • ipv6 • java • javascript • ldap • leadership • linux • load balancers • mail servers • management • membership • microsoft office • mpls • mysql • network capacity planning • network infrastructure • nodejs • opensips • ospf • pbx • pci dss • php • php5 • php7 • point-of-sale • postgresql • presentation • proxmox • radius • redis • retail • rtp • sales • server management • sips • smtp • srtp • ssh • stock control • stocking • stripe • telecommunications • virtualisation • vlan • vmware • web application firewalls • web servers • windows • wireless mesh infrastructure • wireless network infrastructure

references available on request