

Chris Campbell

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Commercially aware DevOps and python developer with strong communication skills. Thinks strategically, focused on understanding and meeting business needs, able to quickly specify and build scalable, resilient systems in production. Experience gained in startups, medium and enterprise, publicly traded companies.

Experience

British Telecom

Infrastructure and DevOps engineer (Contract)

Feb 19 - Present

- Building greenfield K8s Platform as Service on-prem, VMware / Kubespray, Terraform
- Prometheus/Alertmanager / ELK Stack
- Master pipeline for CI/CD development
- Helm terraform service and application deployment
- Coaching dev teams to create helm charts and use K8s
- Ansible builds of VSphere vmx templates
- Multi-environment (dev, integration/e2e, production and reference) in separate DCs
- Security hardening and scanning for clusters
- AWS replica environments for testing and sandboxing

Startup

Infrastructure and DevOps engineer (Contract)

Oct 18 - Feb 19

- CI/CD Pipelines with downstream builds using Helm and Kubernetes
- Docker builds for data science
- Secret management with Vault and Keybase
- Jupyterhub/Zeppelin deployments and sub-notebooks
- Testing frameworks and CI rollout for data science
- AWS Athena and Glue - Federated accounts for clients
- GoLang CLI tool for managing deployments

Ten Group

Platform Engineer (Contract)

Mar - Oct 2018

- Cloudfront automation for 45 domains and over 120 subsites
- Terraform provisioning for Dev/QA/Pre-Prod and Production environments
- Backend CI/CD Travis, docker, Ansible, Packer-built AMLs on rolling deploy into ASGs
- Secret management through Mozilla SOPs and AWS KMS
- RabbitMQ and Celery workers in ASGs, tuning and debugging

- Handling migrations and minimising downtime
- Automating Deployments from existing branch/release into click-to-deploy
- Backend team member, refactoring existing codebase, and moving tests to Pytest
- Python 3.6, Django 1.11

Pass The Keys

Senior Python Engineer

Aug 17 -Mar 18

- SRE role, refactoring and stabilising system performance
- Added automated testing, CI builds and deployments - staging, testing & prod
- Led on client portal development (React) with REST backend (Python 2.7), and authentication microservice (Python 3.5)
- Infrastructure automation - AWS-CLI and load balancers, docker/dockerhub and migrating into Elastic Container Service

Govnet Communications

Backend Engineer

Sep 16 - Aug 17

- Tech lead on team of 3 in company of 220, events firm sending 3 million emails per year
- Integrations with list management & campaign management software
- Stabilise, refactor and rebuilt CRM as new bespoke CRM (vanilla JS)
- Requirements elicitation, design and implement dashboards and data explorer functions.
- Set up CI, test tooling and deployment management (Fabric, CircleCI), migrated to AWS

C Campbell Consultancy

Director

Aug 15 - Present

- DevOps and Python Backend Contracting
- Contract developer for jobsolutely.co.uk, specialised recruitment CRM
- Tech lead for treatout.com MVP - a location-based tool to match diners with extensive food allergies to restaurants with suitable menu items.
- Technical advisor to & economic analysis for Value People Limited - Better Business Case specialists, providing research and analysis for
 - Newport Knowledge Quarter
 - Connecting Cheshire Broadband
 - Homes as Powerstations - Swansea City Bay Region

Co-Founder: Strike.ly

2014-16

- Technical co-founder for Strike.ly, providing analysis for sports betting
 - API and backend design (Django 1.7);
 - Redis-based cache and queuing;
 - Payments system integration using GoCardless API;

Client Manager/ Grant Specialist: *GrantTree Limited*

2013-16

- Grant vetting and advisory for Innovate UK and H2020 technical applications
- Developed internal tools for grant matching and semantic analysis of technical narratives and data gathering questionnaires;
- R&D Tax Credits advisor, delivering tax refunds and credits for some of the UK's largest and best known tech startups

Strategy Director: *Spacehive*

2011-13

- Tested and project managed delivery of initial version of world's first civic crowdfunding platform - developer liaison and product management;
- Long term development strategy and scaling business model

2004-11

Department for Work and Pensions

Various policy and operational roles, including DWP Social Justice Strategy, DWP Strategy Unit, Personal Secretary to HR Director General, Central Operations Manager, The Pension Service.

Languages and Tooling:

- **Main languages & frameworks:** Python, Django, Flask, DRF, NLTK
- **Secondary languages & frameworks:** Go, React
- **Tooling & Automation:** Terraform, Helm, K8s, Docker, Ansible, Molecule, Vault
- **CI/CD :** Gitlab, Travis, CircleCi, Drone, Jenkins
- **Infrastructure:**
 - **On-prem** - Vsphere/VMware, Kubespray, Minio
 - **AWS** - EC2, S3, CloudFront, Elasticache, Route53, Athena, Glue, EMR
 - **Linux** - Ubuntu / Debian / AWS Linux / Alpine / Centos
 - **Secrets Management** - Vault, SOPs, Vault
- **Databases:** Postgres, MySQL, MSSQL, Redis

Education

2012-18

University of Stirling

PhD (pending corrections) *The Coalescent State, Assemblages of Public Policy and Surveillance*

2007-09

University of Glasgow

MSc *Political Communication*

aw

2000-04

University of Stirling

BA Hons (1st) *Business Law and Business*