KASH CHOWDHREE

DevX Cloud DevOps Platforms

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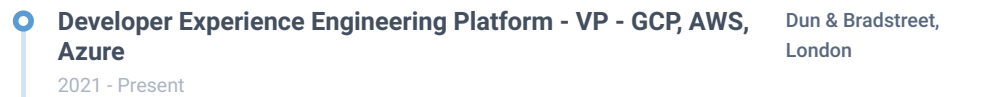
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SUMMARY

- Customer-obsessed platform lead for AWS, GCP & Developer Experience, at Dun & Bradstreet, with 23 years industry experience.
- Demonstrated mastery in delivery of engineering solutions optimized for cost, reliability & security in financial and data services.
- Proponent of life-long learning, mentoring, self-improvement, health & productivity, e.g. https://t.co/eBBzCCerHm

WORK EXPERIENCE

Developer Experience Engineering Platform - VP - GCP, AWS, Azure

Dun & Bradstreet, London

2021 - Present

Visionary for D&B's strategic enterprise-wide self-service DevX hybrid cloud DevOps enablement platform

- Lead GCP foundational landing zone platforms, staffing and strategy to migrate off Azure/AWS/On-prem, as Google Cloud's largest $1bn customer
- Engage C-level technology leaders, stakeholders & product teams to develop, articulate, and deliver the DevX vision
- Praise and gratitude received from clients, CTO and CISO for game-changing innovation, drive & leadership for D&B's infrastructure strategy

Achievements:

Global team lead to design, architect & engineer for reliability, monitoring, & operations of platforms-as-a-product **multi-cloud developer tooling**

- Designed & built a curated opinionated platform **"golden path"** control plane for infrastructure-as-code, CI/CD & policy-as-code governance at scale to reduce developer cognitive load
- PoCs, evaluation & **C-level influence** to purchase & procure D&B's strategic global stack, inc. GitHub Enterprise, Terraform Cloud & Harness.io
- **Value stream mapped** AWS & GCP account/project provisioning & rebuilt into self-service (streamlined AWS from a 6 week process to 45mins)
- Lead the **"Ninjaneer" Hackathon "get a-head in the cloud"** initiatives to promote learning workshops via the gamification of education across the firm
- Implemented compliance & **cloud security posture management** (guardrails via AWS Control Tower SCPs, Sentinel, GCP Policy, landing zones, sandboxes)
- Broke decision paralysis by introducing ADRs (**Architectural Decision Records**), documentation-as-code & a culture of collaboration using MS Teams across D&B, breaking silos & Conway's law
- Launched a light-weight **architecture review process** (ARP) to advocate & formalize patterns for resilience, availability, security, monitoring & alerting
- **Created my own branding, logos & taglines** "The DevX Platform..a self-service developer experience to enable value, faster, safer & happier.." that is "CLOUDy with a chance of reins"

Technologies used:

`GCP, AWS` `Terraform Cloud, Sentinel` `Kubernetes GKE, EKS` `CI/CD GitHub Actions, Harness.io`
`Agile Scrum of Scrums, Lean, DevOps, SRE` `DevSecOps Checkmarx, Snyk`
`GitHub Advanced Security (CodeQL, dependabot)`

Cloud Infrastructure Architect - VP (Azure Certified Expert)

Morgan Stanley, London

2009 - 2021

Deliver strategic enterprise cloud-first infrastructure architecture with DevOps/SRE principles for automation & reliability

- Customer facing strategy, migrations, planning, advisory, technical project delivery & operations

- Hybrid cloud compute, networking, storage & observability (Splunk'ing since 2006, *nix since 1999)
- Previous roles as Cyber Security Analytics (SIEM) Architect, Application Delivery Platform Engineer & Linux Web Infrastructure Engineer. Led global Security Platform Engineering team for Secure Web Gateway proxies, FireEye, Bro/Zeek, Spring cloud api gateway, F5 Load Balancing & Akamai Cloud WAF/DDoS mitigation

SKILLS & TOOLS

Infrastructure

AWS Certified Developer (Associate)

Azure Solutions Architect (Certified Expert)

CeH, CISSP (Certified), GCP (Google Cloud)

Linux Sys Admin, Python, BASH

Docker, Kubernetes (AKS, EKS, GKE)

AWS Control Tower, Azure & GCP landing zones

Proxies Cloudflare, Akamai WAF/CDN

ALM, CI/CD & SDLC

Teraform Enterprise Cloud & Sentinel

Harness CD, GitHub Actions CI

GitHub Enterprise Cloud

DataDog, Splunk

Hashicorp HCP Vault, HCP Packer

Agile Scrum, Jira

Others

`VSCode` `Git` `Vim`
`Markdown` `Plantuml`
`Mermaid` `Linux, Mac`
`Office365` `Azure AD`
`MS Graph API` `Obsidian`
`Notion` `Mindmaps`

EDUCATION

BSc (Hons) Economics
Brunel University London
+1yr work placements, Germany
1994 - 1998

GCSEs & A-Levels
Watford Boys Grammar School
1988 - 1994

INTERESTS

♥ **Health**
Kung Fu, Tai Chi
Yoga, Calisthenics
Biohacking

♥ **Hobbies**

Home Automation, DIY
Toastmasters (public speaking, leadership & presentations)
Conferences, Podcasts

♥ **Volunteering**
In-school teaching, Code

Achievements:

Design, architecture, deployment & maintenance of production-scale highly-available distributed systems

- Built Azure's largest logging pipeline, 20M/eps from 20k Kubernetes pods. **Saved $Millions over SaaS logging platforms**
- Fostered trust & collaboration with decision makers to **influence Azure** roadmaps, e.g. Azure Monitor, ADX, Sentinel, EventHub
- Innovated & advised customers on tools & techniques, e.g. developed idea of "RAINS" Splunk python app to ease AWS & Azure migrations via a single pane of glass with cost optimization for **120TB+/daily logs**
- Global team lead for the design, budget, build & operation of Splunk's largest state-of-the-art Enterprise Security (ES) SIEM deployments with IaaC self-service automation, to much customer accolade
- Facilitated security use cases to control threats, prioritize risks, automate compliance & cloud security posture management (guardrails, landing zones) using **NIST & OWASP**
- Communicated & shared knowledge via ADRs (Architectural Decision Records), blueprints, Sphinx/PlantUML/graphviz documentation-as-code, twiki & jive blogs **'The log of a logaholic, taming the logness monster'**

Technologies used:

`Migrations (Azure, AWS)` `DevOps, SRE, CI/CD, Jenkins, BitBucket/Stash, Pagerduty` `Terraform, Ansible` `API gateways, F5 BigIP, Bluecoat ProxySG` `Extrahop, Wireshark, Tcpdump` `Agile Scrum, Productivity (OneNote, Teams, MindMaps)` `Azure Sentinel SIEM & Log Analytics` `AWS FireLens, S3, EKS` `Prometheus, Grafana, Splunk Architect (Certified)` `Azure Monitor, Data Explorer, Fluent-bit, Eventhub, Kafka`

CTO/Co-Founder/Software Development Lead
Think Media, Kuala Lumpur
2008 - 2009

Launched a web start-up. Moved to Malaysia. Successfully pitched for venture capital funding to facilitate expansion & became number 1 property portal in Malaysia within 1 year (thinkproperty.my). Sold to a publicly listed company

Technologies used:

`LAMP (Linux, Apache, MySQL, PHP)` `HTML/CSS, JavaScript, CMS, Git SDLC` `Google AdWords & Analytics, Marketing, SEO` `Remote teaming, Finance, Management`

Web Infrastructure Software Engineer
Morgan Stanley, London
2003 - 2008

Technical engineering, project management, problem solving & operations of fault tolerant web hosting environments for Morgan Stanley's web platforms. Part of the team that built the platform for Google's IPO. Evaluation & deployment of infrastructure tools, e.g. pivotal to Splunk's early R&D directly liaising with the CEO

Technologies used:

`Apache Tomcat, IIS` `ITIL Operations, Agile, Lean` `Splunk` `Datacenters` `C, Perl, Java` `Linux DMZs, Networking`

Technical Consultant & Pre-sales Engineer (Frankfurt)
Doubleclick (Google), London
2001 - 2003

Multi-disciplined multi-cultural international consulting for DoubleClick AdServing Solutions to disparate business & technical environments, 90% overseas travel for troubleshooting, installs, training & project management

Technologies used:

`PRINCE2 certification` `DART` `HTML/CSS, Netscape Iplanet, Apache` `SQL Server, Oracle` `BEA Weblogic` `Linux, Win Server`

Web Engineer/Graduate Trainee
JP Morgan (CSC Pinnacle Alliance), London
1999 - 2001

Design, engineer & support JP Morgan's intranet platform & websites. Consulting to establish design briefs with wireframing & prototyping. Support Unix systems monitoring tools & calendaring tools.

Technologies used:

`Solaris 8 certification, AIX` `Lotus Notes` `HTML, Netscape Iplanet` `Boole & Babbage MAXM System Monitoring` `Unicenter TNG`