KASH CHOWDHREE
DevX Cloud DevOps Platforms

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SUMMARY

- Customer-obsessed Developer Experience Engineering Platform lead for AWS, GCP & DevOps, 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 Lead - VP (GCP, AWS)
Dun & Bradstreet, London

2021 - Present

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

- Pivotal in deploying GCP, as its newest & largest **$1bn** customer, creating the foundational platform, staffing and strategy to migrate off Azure/AWS/On-prem
- Collaboration at highest-levels with business leaders, stakeholders & product teams to develop, articulate, and deliver the **DevX vision**
- Recognized across D&B for the innovation, drive & contributions to D&B technology as a whole, to much **accolade from the CTO**

Achievements:

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

- Designed and 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
- My taglines resonate across D&B "**The DevX Platform..a self-service developer experience to enable value, faster, safer & happier..**" and "CLOUDy with a chance of reins"
- PoCs, evaluation and **C-level influence** to purchase & procure D&B's strategic global stack, such as GitHub Enterprise, Terraform Enterprise Cloud & Harness CD
- **Value stream mapped** AWS & GCP account/project provisioning and rebuilt into self-service (streamlined AWS from a 6 week process to 45mins)
- Lead the **"Ninjaneer" Hackaton "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 and a culture of collaboration across D&B, breaking silos and Conway's law
- Launched a light-weight **architecture review process** (ARP) to advocate & formalize patterns for resilience, availability, security, monitoring & alerting

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

SKILLS & TOOLS

Infrastructure

GCP (Google Cloud), AWS

Azure Solutions Architect (Certified Expert)

CeH, CISSP (Certified)

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
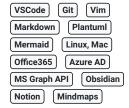
Harness CD, GitHub Actions CI

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**

gateway, F5 Load Balancing & Akamai Cloud WAF/DDoS mitigation

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 and 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, Finace, 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 liasing 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`