

# 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 - 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" 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 & 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 rains"

#### 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

### 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

Terraform 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

Engineering team for Secure Web Gateway proxies, FireEye, Bro/Zeek, Spring cloud api gateway, F5 Load Balancing & Akamai Cloud WAF/DDoS mitigation

in school learning, clubs  
Clubs  
Charity work  
Communities 1st Covid-19

#### 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 IaC 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: