KASH CHOWDHREE
Cloud Solutions Architect

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SUMMARY

Customer-focused Technical Architect at Morgan Stanley, with 20 years industry experience.
Demonstrated mastery in delivery of engineering solutions optimized for cost, reliability & security.

WORK EXPERIENCE

Cloud Solutions Architect (Azure Certified Expert)
Morgan Stanley, London
2009 - Present

Massive scale enterprise infrastructure architect using DevOps techniques & tools for automation & orchestration

- Engineering lead for cloud observability (logs, traces, metrics) & API gateway management (Spring, APIM)
- 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, DLP, Load Balancing & Cloud WAF/DDoS mitigation
- Splunk'ing since 2006, *nix since 1999

Tasks:

Implement enterprise-scale cloud security solutions & big data logging platforms ingesting 100TB+/daily

- Design & build of Azure's largest log pipeline, 20M/eps from 20k Kubernetes pods. Saved $Millions over SaaS
- Foster trust & relationships into Azure to influence roadmap, patching & scaling of Azure Monitor, Sentinel, EventHub
- Innovate & advise on tools & techniques, e.g. created "RAINS" Splunk python app to ease AWS & Azure cloud migrations via a single pane of glass for log data with zero-ingest cost & no mass egress of data from the clouds
- Global team lead for the design, budget, build & operation of one of Splunk's largest state-of-the-art Enterprise Security (ES) SIEM deployments, to much customer accolade
- Facilitate security use cases cross-functionally to control threats, prioritize risks, automate compliance & cloud security posture management (guardrails, landing zones) using NIST guidelines and OWASP framework
- Communicate & knowledge share via SDLC ADRs (Architectural Decision Records), twiki & jive blogs 'The log of a logaholic - taming the logness monster'
- Proponent of life-long learning, self-improvement & productivity, e.g. https://t.co/eBBzCCerHm

Technologies used:

`Migrations (Azure, AWS)` `DevOps, SRE, Agile` `Cloud compute` `RedHat` `Proxies` `Productivity (OneNote, Teams, MindMaps)` `Observability`

CTO/Co-Founder
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` `SDLC` `Internet marketing, SEO` `Google AdWords` `Remote teaming` `Finance`

Web Infrastructure Engineering & Operations
Morgan Stanley, London
2003 - 2008

Technical project management, architecture, engineering & 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. during Splunk's infancy regularly met their CEO to give feedback to product development

Technologies used:

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

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

On-site customer deployments & presales of DoubleClick AdServing Solutions. Multi-disciplined consultancy in disparate business & technical environments, 90% overseas travel included troubleshooting, installs, training & project management

Technologies used:

`PRINCE2` `DART` `HTML/CSS` `SQL Server, Oracle` `Netscape Iplanet, Apache` `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 & protyping. Support Unix systems monitoring tools & calendaring tools

Technologies used:

`Solaris 8` `Lotus Notes` `HTML` `Unix AIX` `Boole & Babbage MAXM System Monitoring` `Unicenter TNG`

SKILLS & TOOLS

Infrastructure

CeH, CISSP (Certified)

Azure Solutions Architect (Certified Expert)

Linux Sys Admin

Python, BASH

Ansible, git, Github

Docker, Kubernetes (AKS)

F5 BigIP, Bluecoat ProxySG

Cloudflare, Akama WAF/CDN

Observability

Splunk Architect (Certified)

Azure Monitor & Data Explorer

Fluent-bit, Eventhub, Kafka

DataDog, Splunk

Prometheus, Grafana

AWS FireLens/S3

Azure Sentinel SIEM & Log Analytics

Others

`Agile` `Kanban` `Scrum` `VSCode` `Vim` `Sphinx` `KQL, SPL` `Pagerduty` `Extrahop` `Wireshark` `Tcpdump` `DevOps, CI/CD`

EDUCATION

BSc (Hons) Economics
Brunel University London
1994 - 1998

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

INTERESTS

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

♥ **Hobbies**
Home Automation & DIY, Toastmasters, Conferences, Podcasts

♥ **Volunteering**
School Code Clubs, Charity support