



# 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

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Cloud Solutions Architect

2009 - Present

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

- Engineering lead for cloud observability (logging, traces, metrics, alerting) & API gateways for microservices
- 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

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 relationships into Azure to influence roadmap, patching & scale of Azure Monitor, Sentinel, EventHub, AKS

Innovate tools & techniques, e.g. created "RAINS" Splunk python app to ease cloud migration by maintaining a single pane of glass for log data with zero-ingest cost and 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 & security posture using NIST guidelines and OWASP framework

Communicate and knowledge share via SDLC ADRs (Architectural Decision Records), twiki & jive blogs 'The log of a logaholic - taming the logness monster'

Technologies used:

Azure

DevOps, SRE

Agile, Jira

Proxies

RedHat

Spring Cloud Gateway

Collab apps (OneNote, Teams)

AWS

Observability

CTO/Co-Founder

2008 - 2010

Launched a web start-up. Moved to Malaysia. Successfully pitched for venture capital funding to facilitate expansion and 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

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

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

1999 - 2001

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

Technologies used:

Solaris 8

Lotus Notes

HTML

Unix AIX

Boole & Babbage MAXM System Monitoring

Unicenter TNG

612 Morgan Stanley, London

Think Media, Kuala Lumpur

612 Morgan Stanley, London

DoubleClick (Google), London

JP Morgan (CSC Pinnacle Alliance), London

### SKILLS & TOOLS

Observability

Splunk Certified Architect

Azure Monitor & Data Explorer

Fluent-bit, AKS (k8s), Eventhub, Kafka

DataDog, Splunk

Prometheus/Grafana

Apache Kafka, Azure Eventhub

Azure Sentinel SIEM & Log Analytics

#### Infrastructure

CISSP, Ceh

Microsoft Azure Cloud

Linux

Python, BASH

Ansible, GIT

Docker, Kubernetes

F5, Bluecoat, Spring Cloud

Cloudflare, Akama WAF/CDN

#### Others

Agile

Kanban

Scrum

VSCode

Vim

Sphinx

KQL, SPL

Pagerduty

Extrahop

Wireshark

API Mgt

tcpdump

### 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