

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

Morgan Stanley, London

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 AWS & Azure cloud migrations via 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 & cloud security posture management (guardrails, landing zones) 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

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CTO/Co-Founder

2008 - 2010

Think Media, Kuala Lumpur

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

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Web Infrastructure Engineering & Operations

2003 - 2008

Morgan Stanley, London

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

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Technical Consultant & Pre-sales Engineer

2001 - 2003

DoubleClick (Google), London

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

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Web Engineer/Graduate Trainee

1999 - 2001

JP Morgan (CSC Pinnacle Alliance), London

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

SKILLS & TOOLS

Observability

Splunk Architect (Certified)

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 (Certified)

Azure Solutions Architect (Certified Expert)

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