

SUMMARY

Customer-focused 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

Morgan Stanley, London

2009 - Present

Massive scale enterprise infrastructure architect using SRE techniques, IaaS config management automation & orchestration

- Design lead in observability engineering (logs, metrics) & API proxy gateways
- Previous roles as Cyber Security Infrastructure 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

Achievements:  
Architected multiple enterprise scale security solutions & big data logging platforms ingesting TBs daily

- Design & build of largest Azure logging pipeline, 8M/eps from 20k Azure Kubernetes pods. Saved \$Millions over SaaS solutions
- Foster relationships into Azure product dev to influence roadmaps, patching & scale optimizations
- Innovate tools & techniques, e.g. coded "RAINS" Splunk app to facilitate cloud migration whilst 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 to design, budget, build & operate 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, KQLDevOpsSREAgile, JiraSWG ProxiesRedHatJiveMS apps (OneNote, Teams)AWSObservability

CTO/Co-Founder

Think Media, Kuala Lumpur

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, JavaScriptSDLCInternet marketing, SEOGoogle AdWordsRemote teamingFinance

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 TomcatIISITILSplunkDatacentersC, Perl, JavaLinux DMZsOperations

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:

PRINCE2DARTHTML/CSSSQL Server, OracleNetscape Iplanet, ApacheBEA WeblogicLinux, Win Server

Web Engineer/Graduate Trainee

JP Morgan (CSC Pinnacle Alliance), London

1999 - 2001

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

Technologies used:

Solaris 8Lotus NotesHTMLUnix AIXBoole & Babbage MAXM System MonitoringUnicenter TNG

SKILLS & TOOLS

Observability

Splunk Certified ArchitectAzure Monitor, Azure Data ExplorerFluent-bit, k8s, logback javaDataDogPrometheus/GrafanaApache Kafka, Azure EventhubAzure Sentinel, Splunk ES SIEM

Infrastructure

CISSP, CehMicrosoft Azure CloudLinuxPython, BASHAnsible, GITDocker, KubernetesF5, Bluecoat, Spring CloudCloudflare, Akama WAF/CDN

Others

AgileKanbanScrumVSCodeVimSphinxKQL, SPLPagerdutyExtrahopWiresharkAPI Mgttcpdump

EDUCATION

BSc (Hons) Economics

Brunel University London1994 - 1998

GCSEs & A-Levels

Watford Boys Grammar School1988 - 1994

INTERESTS

Health

Kung Fu, Tai Chi, Biohacking

Hobbies

Home Automation & DIY, Toastmasters, Conferences, Podcasts

Volunteering

School Code Clubs, Charity support