DAVID TNG TENG BOON

CERTIFIED CLOUD SECURITY PROFESSIONAL (CCSP)
AWS CERTIFIED SOLUTIONS ARCHITECT & DEVOPS ENGINEER
GOOGLE PROFESSIONAL CLOUD ARCHITECT
CERTIFIED KUBERNETES ADMINISTRATOR & SECURITY SPECIALIST

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SUMMARY

A hands-on Solutions Architect Team Leader specialising in designing and delivering secure, cost-effective, highly available, and scalable IT infrastructures to address complex business problems by assessing current capabilities and designing architectures that meet strategic business needs.

Strong Cloud, System, Networking and Cybersecurity background with a proven ability to engage C-level executives and lead cross-functional and matrix teams. Adept in the end-to-end program management of large and complex initiatives, including business processes, policies, and systems integration.

CORE COMPETENCIES

- Team Leadership
- Solutions Architecture (Cloud & Data Center)
- Program / Project Management
- Cybersecurity & Risk Management
- Business Process Re-engineering & Optimization
- Agile Framework
- Vendor & Customer Relationship Management
- Consulting Services
- Software Development Life Cycle
- DevSecOps Continuous Integration and Delivery
- Infrastructure as Code
- Automation

PROFESSIONAL CERTIFICATIONS

Program & Project Management
- Stanford Certified Project Manager (SCPM)
- Project Management Professional (PMP)

Scrum
- Professional Scrum Master I & II
- Professional Scrum Product Owner
- Professional Scrum Developer

Cybersecurity
- Certified Cloud Security Professional (CCSP)

Microservices & Container Orchestration
- Certified Kubernetes Administrator (CKA)
- Certified Kubernetes Application Developer (CKAD)
- Certified Kubernetes Security Specialist (CKS)
- Kubernetes and Cloud Native Associate (KCNA)
- GitOps Certified for argo: GitOps Fundamentals

Systems & Networking
- Sun Certified System Administrator
- Sun Certified Network Administrator
- Sun Certified Programmer (Java 2 Platform)
- Microsoft Certified System Engineer (MCSE)
- Microsoft Certified Professional + Internet (MCP+I)
- Cisco CCNA Routing & Switching

Cloud Technology
- AWS Certified Solutions Architect – Professional
- AWS Certified DevOps Engineer – Professional
- AWS Certified Security – Specialty
- AWS Certified Advanced Networking – Specialty
- AWS Certified Database – Specialty
- AWS Certified Data Analytics – Specialty
- AWS Certified Machine Learning – Specialty
- AWS Certified Alexa Skill Builder – Specialty
- AWS Certified Solutions Architect – Associate
- AWS Certified SysOps Administrator
- AWS Certified Developer
- AWS Certified Cloud Practitioner

- Google Professional Cloud Architect
- Google Associate Cloud Engineer
- Google Cloud Digital Leader

- Microsoft Certified: Azure Fundamentals
- HashiCorp Certified: Terraform Associate
- HashiCorp Certified: Vault Associate
- HashiCorp Certified: Consul Associate
- VMware Certified Associate - Digital Business Transformation 2020
- Gremlin Certified Chaos Engineering Practitioner

EDUCATION

- Bachelor of Science (Comp. & Info. Sci.)
  National University of Singapore

- Stanford Certified Project Manager
  Stanford University

CAREER HISTORY

Senior Cloud Architect, Vice President | July 2021 – Present
DBS Bank (Consumer Banking & Core Engines Technology)

- Accountable for the architecture reviews of applications hosted on the Public Cloud, using the AWS Well-Architected Framework.

- Part of the core team chartered with migrating on-premises applications to the Public Cloud.

- Represented the application teams to prioritise the critical AWS services for security threat modelling.

- Led a team to operationalise Elastic Kubernetes Services (EKS) for multiple applications.

- Completed multiple Proofs of Concept to introduce new security and backup technologies to meet strategic business needs. These include the usage of service meshes like Istio.

- Led the infrastructure readiness of three DBS-wide Hackathon recruitment drives, which resulted in the successful employment of the targeted number of staff.

- Participating in the AWS Certification Subject Matter Expert (SME) program to write the AWS certification exam questions.

- Awarded the DBS Certificate of Achievement (Rockstar Rookie) in 2021 for outstanding performance.

Principal Solutions Architect | Jan 2008 – June 2021
Consultancy Services

- Provided consulting services to Enterprises and start-ups and proposed solutions based on the AWS Well-Architected Framework, resulting in customers enjoying an average of 15% to 30% costs savings.

- Led teams to migrate on-premises applications to the Public Cloud (AWS) and maintained the new systems using DevSecOps processes and tools, resulting in an average of 30% operational efficiency.

- Reviewed, streamlined and automated organisational processes.

- Designed and implemented on-premises private Clouds with VMware and commercial and open-source software packages.

- Performed the role of scrum master and collaborated closely with the executive product owners. Mentored the product owners and the development teams on the Scrum framework and enabled numerous products releases in the scrum sprints.

- Developed innovative software solutions to bridge the inadequacies of specific on-premises applications.

Senior Asia Pacific Program Manager | Sep 2003 – Dec 2007
Sun Microsystems

- Accountable for leading APAC matrix teams in five regions to implement business solutions for Sun's partners and customers.

- Collaborated with APAC business teams and Sun's partners to drive the utilisation of online sales and services portals, which resulted in a 95% adoption rate.

- Designed APAC marketing kits and launched successful marketing campaigns to increase the awareness of the self-help services portal.

- Strengthened working relationships with the business leadership teams in Europe and America by collaborating with them to launch successful global marketing campaigns.

- Represented APAC in streamlining and simplifying business processes at the global level.

- Consolidated KPIs from the business solutions for the senior management to make corporate decisions.

Senior Consultant, Sun Professional Services – Asia South | Jan 1999 – Aug 2003
Sun Microsystems

- Delivered consultation and project management services to various large organisations and Internet Service Providers.

- Instrumental in the migration of the CyberWay email servers to a new, highly available setup using Sun servers. Migrated the data seamlessly to the new system with automation. This high-profile initiative generated further sales opportunities for Sun and created team visibility among the top management. Awarded the Sun Professional Services Rookie of the Year title.

- A vital member of the team who created a new StarHub Data Center for the signup of hundreds of thousands of new users. Set up various Internet systems such as DNS, online user authentication, and a new user signup portal. Awarded a Certificate of Appreciation by the CEO of StarHub for the successful launch of the Data Center.

- Designed highly available Internet systems for services such as email, newsgroups, and DNS with a 99.99% services uptime.

Senior Systems Engineer | Jan 1997 – Dec 1998
Singapore Telecommunications Limited (Singtel)

- Commissioned and maintained highly available systems to support core Internet services (email, DNS, web services & storage) for more than a few hundred thousand users.

- Reduced 20% operational effort by automating processes.

- Pioneered the concept of highly available email systems and round-robin SMTP servers to achieve a 99.99% services uptime.