Fadhullah Iskandar Roy

CLOUD SOLUTION ARCHITECT

Profile

Have more than 16-years of experience in IT field, specialized in Infrastructure & technical architecture design with a demonstrated history of working in multiple industries. Participated in various numbers of IT Design, Solution & Consultation project's during the tenure. Possess strong knowledge & skills in Infrastructure & Public Cloud domain.

Employment History

Infrastructure Architect - EMEA, Lemongrass Consulting Pvt. Ltd.

APRIL 2022 — PRESENT

- Implementing cloud, IaaS, and SaaS architectures for our SAP Migration customers with a focus on Security and Infrastructure best practices.
- Scope, assess, design and deploy Cloud Infrastructure in support of a SAP solution landscape
  Working directly with clients and project teams to gather information to implement processes and technology that support various technical and business functions.
- Develop and refine infrastructure and security checklists in existing environments to ensure continued compliance.
- Develop test plans, implementation plans, and project timelines for various projects
- Build and contribute to the development of methodology and automation focused tooling
- Stay abreast of how cutting-edge technology infrastructures are currently impacting and driving competitors
- Determine production workload placement and performance needs direction
- Write & Maintain functional technical design/requirements/specifications documents (Blueprint)
- Deep Dive complex issues to support consultant team and drive problem solving solutions.
- Worked well independently and on a team to solve problems
- Lead and mentor more junior consultants.
- Functioned with strategic vision and a hands-on approach

Sr. Cloud Infrastructure Architect, Maxis Berhad, Kuala Lumpur

FEBRUARY 2018 — MARCH 2022

- Form & Setup Cloud Platform Engineering (CPE) team
- Form & Setup Hybrid Cloud Operation team to drive Operation excellence
- Lead Design & Review of New Hybrid Cloud infrastructure (AWS / Azure / GCP)
- Develop Hybrid Cloud Governance, Policy & Planning framework
- Design technology road-maps for Automation on Cloud Infrastructure, Network & Security (IaC)
- Design & Planning on Hybrid Cloud Infrastructure Management Ecosystem
- Develop test plans, implementation plans, and project timelines for various projects

Details

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NATIONALITY
Malaysian

Links

Linkedin
GitHub

Skills

Amazon AWS

Microsoft Azure

Google Cloud Platform

Oracle Cloud Infrastructure

Infrastructure as a Code

Enterprise Architecture

Computer Networking

IT Operations

Languages

English

Malay

Hobbies

An RC & UAV enthusiast. Active in sports such as futsal, soccer, badminton, cycling and swimming.

- Stay abreast of how cutting-edge technology infrastructures are currently impacting and driving competitors
- Determine production workload placement and performance needs direction
- Write & Maintain functional technical requirements/specifications documents (Blueprint)
- Assess & strategic RFI/RFP process for Cloud projects
- Overseeing Hybrid Cloud Infrastructure Operation & BAU (SysOps/FinOps/SecOps)
- Driven & collaborate in multiple projects for Hybrid Cloud as company moving toward cloud & digitization transformation
- Worked well independently and on a team to solve problems
- Functioned with strategic vision and a hands-on approach

Sr. Solution Architect, AirAsia Berhad, Selangor

JULY 2016 — JANUARY 2018

- Understand Innovation Commercial Technology (ICT) Infra related policies and follow Standard Operations Procedures (SOP)
- Analyse System & business requirements to develop technical systems solutions and their frameworks
- Lead Design & Review of New Cloud infrastructure (AWS / Azure / GCP)
- Design data communications systems
- Design and build experience with Production DR/HA/QA/Dev/Test environments
- Perform system modelling, analysis, and planning
- Develop technology road-maps for Automation, Cloud Infrastructure, Network & Security
- Investigate, recommend and implement appropriate Automation Tools-Network, Firewalls, Physical or software defined
- Analyse, engineer, and execute System functions as well as System Sizing
- Develop test plans, implementation plans, and project timelines for various projects
- Stay abreast of how cutting-edge technology infrastructures are currently impacting and driving competitors
- Determine production workload placement and performance needs direction
- Write functional technical requirements/specifications documents
- Solve complex problems with many variables to include familiar with various security, network, storage and computer platforms
- Working in multiple Projects for Cloud as company moving toward digitization

Sr. Infrastructure Specialist, Halsion, Darwin

JULY 2015 — JUNE 2016

- Manages the day-to-day operations of the Halsion Lda client hosting Servers by monitoring system performance, configuration, maintenance and Backup. Ensures that records of system downtime and equipment inventory are properly maintained. Applies revisions to host system firmware and software. Works with vendors to assist support activities
- Develops new system and application implementation plans, custom scripts and testing procedures to ensure operational reliability. Trains Level 1 & Level 2 technical staff in how to use new system and hardware developed and/or acquired

- Performs troubleshooting as required. As such, leads problem-solving efforts often involving outside vendors and other support personnel and/or organizations
- Establishes, maintains and manages users AD/Unix accounts. Installs, modifies and maintains systems and utility software on server computer systems. Provides server support related to other software
- Establishes guidelines and methods for the installation and management of the host computer operating systems, disk arrays, fiber channel switches, tape libraries and other components
- Ensures high availability and acceptable levels of performance of mission critical host computer resources
- Develops procedures to maintain security and protect systems from unauthorized use, acts of nature and user abuse
- Develops procedures, programs and documentation for backup and restoration of host operating systems and host-based applications
- Develops and coordinates project directions and schedules to maximize benefits and minimize impacts on the customer organizations. Provides leadership in planning and implementation of projects for computer operations and enterprise systems administration
- Develops tools, procedures, and training sessions for Operations, Client Support and Systems Development staff to assist with work
- Stays current with technological developments in systems administration technology and recommends ways for Halsion to take advantage of new technology
- Setup, deploy & Manage multiple Virtualization Infrastructure stack (VMWare vSphere 5/6)
- Become Technical Lead in Infrastructure project implementation to production environment

Sr. System Administrator, CIMB Aviva Assurance Berhad, Kuala Lumpur

JANUARY 2014 — JUNE 2015

- Manages the day-to-day operations of the host servers by monitoring system performance, configuration, maintenance and repair. Ensures that records of system downtime and equipment inventory are properly maintained. Applies revisions to host system firmware and software. Works with vendors to assist support activities
- Develops new system and application implementation plans, custom scripts and testing procedures to ensure operational reliability. Trains technical staff in how to use new software and hardware developed and/or acquired
- Supervises Operations staff including hiring, training, evaluating and disciplining. May guide or provide work direction to technical staff, contract staff and/or student employees. Determines appropriate coverage for all hours of operation
- Performs troubleshooting as required. As such, leads problem-solving efforts often involving outside vendors and other support personnel and/or organizations.
- Establishes, maintains and manages users AD/Unix accounts. Installs, modifies and maintains systems and utility software on server computer systems. Provides server support related to other software
- Establishes guidelines and methods for the installation and management of the host computer operating systems, disk arrays, fiber channel switches, tape libraries and other components
- Ensures high availability and acceptable levels of performance of mission critical host computer resources

- Develops procedures to maintain security and protect systems from unauthorized use.
- Develops procedures, programs and documentation for backup and restoration of host operating systems and host-based applications
- Develops and coordinates project directions and schedules to maximize benefits and minimize impacts on the customer organizations. Provides leadership in planning and implementation of projects for computer operations and enterprise systems administration
- Develops tools, procedures, and training sessions for Operations, Client Support and Systems Development staff to assist with work
- Manages the data center and computer host systems including hardware, software and equipment such as air-conditioning system, UPS (uninterrupted power system) and fire protection system
- Stays current with technological developments in systems administration technology and recommends ways to take advantage of new technology
- Setup, deploy & Manage multiple Virtualization Infrastructure (VMWare/Xen/Hyper-V).
- Become Technical Lead in Infrastructure project implementation to production environment
- Perform DR/BCP exercise as required by organization

Sr. System Administrator, Shinjiru Technology Sdn. Bhd., Kuala Lumpur

JANUARY 2011 — DECEMBER 2013

- Perform all operation/support, maintenance & automation functions (Servers)
- Manage, deploy, R&D, Project on Virtualization technology (Parallels Cloud Server & Hyper-V Cloud)
- Taking ownership of technical issues, and working with our Developer team to resolve more advanced issues
- Responded to, evaluated, and prioritized email & Logs requests for technical assistance from end users
- Perform support & maintenance functions within 24x7x365
- Monitoring on Nodes across multiple network connection from several Data Center
- Security Hardening & Documentation for Linux & Windows Server
- Maintain & Upgrade Servers Infrastructure
- Co-ordinate & work closely with system provider & IT vendor's
- Aliased with sub co-ordinate and reported to Chief Technology Officer & Team Manager on all tasks

Sr. Technical Engineer, PCS (M) Sdn. Bhd., Selangor

JANUARY 2009 — DECEMBER 2010

- Perform all support and maintenance functions (Servers & Workstation)
- Responded to, evaluated, and prioritized incoming phone, email & Logs requests for technical assistance from end user
- Delivering on-time, complete solutions, doing whatever it took to get the job done
- Supporting technical tasks for Banking & Government Environment
- Plan, Install & Deploy for Client server infrastructure project
- Install/configure Bank HQ & Branches server (DNS, DHCP, FTP, ATM & Administration Console)
- Security Hardening & Documentation for Clients Server
- Involve in company projects (Bank, Government & Private Company)
- Maintain up-to-date knowledge of current technologies

Sr. IT Specialist, Gastrodome Management Services Sdn. Bhd, Kuala Lumpur

JANUARY 2008 — DECEMBER 2008

- Role as an IT Administrator (Server, Network, Email & POS) for the company
- Update & maintain HQ & Branches Servers
- Perform all support and maintenance functions within 24 hours
- Responded to, evaluated, and prioritized incoming phone and email requests for technical assistance
- Took initiative to learn company internal organizational structure to optimize problem-resolution efficiency.
- Consistently delivered rapid, outstanding service and support, resulting in a high level of customer satisfaction
- Delivering on-time, complete solutions, doing whatever it took to get the job done,
- keeping coworkers and management well informed, offering suggestions to improve team's efficiency
- providing expedient resolutions to user problems
- Deploy remote-control application for remote office/branches several hours away and quickly solved user problems
- Maintain & Upgrade Company Network Infrastructure (Modem, Router, Switch & Cabling)
- Co-ordinate & work closely with system provider & IT vendor
- Keep track for IT Equipment audit records (Hardware, Software, Internet Account & Email Account)

Technical Engineer, OregonTel (M) Sdn. Bhd., Selangor

JANUARY 2007 — DECEMBER 2007

- Provided technical support for the production division of the manufacturing facility
- Responsible for the repair and maintenance of printers, monitors, scanners and hardware.
- Assisted installation & deployment of Active Directory (AD), DNS & DHCP Server
- Assist in-house help-desk providing technical support by phone and in person
- Responsible for loading new software and systems on existing equipment
- Doing technical documentation for hardware configuration

Computer Technician, Atom Computer (KL) Sdn. Bhd., Kuala Lumpur

JANUARY 2006 — DECEMBER 2006

- Assisted the technicians with the installation of software & hardware
- Tested software and computer equipment prior to 'go live'
- Provided technical telephone support to correct software & hardware problems
- Assist with the repairing of computer system on site and for existing customer also maintenance of client documentation
- Performed upgrades on existing computer systems
- Assemble new computer parts for client

Education

Diploma in Business Information Technology, YPC International College, Kuala Lumpur

2004 — 2006

Courses

Amazon Web Services Solutions Architect - Professional, Amazon Web Services (AWS)

Amazon Web Services Solutions Architect Associate, Amazon Web Services (AWS)

Security Engineering on AWS, Amazon Web Services (AWS)

Google Cloud Certified Professional Cloud Architect, Google Cloud Platform (GCP)

CCSK-v4.0, Cloud Security Alliance

ITIL Foundation Level-v4, AXELOS Global Best Practice

ITIL Foundation Level-v3, AXELOS Global Best Practice

Architecting Microsoft Azure Solutions, Microsoft

Implementing Microsoft Azure Infrastructure Solutions, Microsoft

Microsoft Technology Associate: Windows Server Administration Fundamentals (MTA), Microsoft

Red Hat Certified System Administrator (RHCSA), Red Hat

Project Implementation Experience

Migration On-Premise Server to Cloud (AWS & Azure),

- For this project, I've been working to move out the all the current Tier-2 & Tier-3 servers to AWS & Azure cloud. The number of servers that had been moved to cloud was 450 servers in total. The tool & method was being use was P2V, V2V (VMware vCenter Tool), Backup and Restore Method (Veeam & StorSimple) & Azure Site Recovery tools. I've successfully run this project which complete within 2 months' time.

Design & built Hybrid Cloud DirectConnect / InterConnect / ExpressRoute (AWS / GCP / Azure),

- Collaborate with internal Network Transport team to design & built Hybrid Cloud networking for 3 Major Cloud Platform (AWS / GCP / Azure) with High-Resiliency to support Mission-Critical Production workload. The project took 3 months to complete successfully.

Design & Deploy Microservices Architecture,

- This project was done for most of the digital front-end application where mostly I'm using Containerization (Docker & Kubernetes). Those services we're implemented in AWS with ECS & EKS. Typically, the microservices architecture is to decentralize functionalities / services.

Design & Deploy Big Duty-Free E-Commerce system on Cloud (AWS),

- I've been architect the project for Infrastructure site, I've built the architecture based on Elastic Beanstalk (EB), RDS (MySQL), S3, NAS (SoftNAS), Lambda, Route53 & CloudFront. Basically, this e-commerce

site was running on Magento platform as back-end & front-end was running with Angular2. This project was successfully launch after 6 months of development & went live.

LANDesk Support Desk (ITSM) system migration to Cloud (Azure)

- For this project, I was in responsible to architect the infrastructure builds as need to cater 20K numbers of users that using this system. I've been designed the infrastructure to use Azure Cloud SQL, Azure VM & Azure Internet Load Balancer. The method used for the migration mixed between re-host & re-platform. Manage to successfully complete this project within 1-week time-frame.

Deploy RemoteApp on Cloud (Azure)

- I've been architect the project for infrastructure site; I've built this Microsoft RemoteApp HA technology on top of Microsoft Azure VM. It's took me about 2-week to complete the project. I manage to deploy & publish multiple RemoteApp in the cluster successfully.

Migration Tier-1 Airline System (AIMS AERO & AMOS SWISS) to Cloud (Azure)

- Migration for Tier-1 Airline System was a mission critical. I've designed & built it on Microsoft Azure platform with the use of Azure VM, Microsoft MSSQL Always-On, Azure Site Recovery (DR), Azure Cloud Storage (SMB File Share) & Citrix XenApp Essential (RemoteApp). This migration taken 6 months to complete successfully.

VMware vSphere Cluster & Replication

- This project was done for Australian Army (INTERFET) in East Timor. I've designed & architect the project with VMware vSphere 6. In total number of nodes deploy was about 10 nodes.
- As they have 2 sites, vSphere replication was setup & deployed accordingly. VMware cluster was setup with centralize storage with fiber connection (SAN). Both Servers & Storage was from HP ProLiant & HP 3PAR StoreServ. This project deployment took 1 month to complete successfully.

Personal Characteristics

- Able to work under pressure, independent and good team player
- Keen to explore new thing
- A fast learner and highly motivated
- Honest, responsible and adaptable
- Inquisitive for self-improvement and development
- Able to lead or to follow the lead and have high respect for leaders

References

Ahilan Thiagarajah from Amazon Web Services

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Tengku Ahmad Faisal from AirAsia Berhad

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