

Ally is a senior enterprise cloud architect with over 20 years in IT and over 5 years hands on building public cloud platforms in AWS and Azure. Ally has helped many customers define their cloud strategies and design, execute and deploy via DevOps. Ally has helped us with engagements in the government, healthcare, insurance and technology sectors. He has worked on AWS, Azure and GCP as well as Office365. He received his bachelor from Cambridge University and holds many certifications.

Skills

- Advanced skills in cloud AWS/Azure.
- Solid understanding of architecture and design.
- Great team and problem solving skills.
- System analysis, solution modelling and creation documentations and UML diagrams
- Expert level knowledge with object-oriented programming, clean code programming, SOLID, and design patters.
- Bugs handling pattern and logging.
- Integrations testing, Unit testing and mock frameworks. Performance testing.

Technologies

Azure

Security Centre, Compute, Networking, Storage, Data Protection, Databases, Peering, CosmosDB, Databricks, Data Factory, Data Catalog, Active Directory, PIM, MFA, Identity Governance, IAM, IoT, DevOps, Big Data, Analytics

AWS

IAM, VPC Design, Transit Gateways, CloudFront, CloudTrail, KMS, RDS,DynamoDB, CodeCommit, Storage, Compute, Lambda, SQS, SNS, SES, LightSail, DevOps

O365

Planning and migration, IAM Design and Deployment, SSO, MFA with Conditional Access, Security Design, Data Protection design & implementation, MDM & MDS with Intune, Hybrid Platform, Compliance and Advanced Threat Protection, Azure AD Identify Protection, Azure Information Protection

Certifications

- Hardware Security Modules (HSM) Engineer for Thales HSM
- Microsoft Certified Database Administrator
- Certified Information Security Manager

Projects

Bid Group (Azure architect)

- Design and Implement B2C, IoT Hub, Edge, Big Data and Analytics
- DevSecOps architecture, design, and implementation
- Automation of hub and spoke architecture via Terraforms
- Validate minimal viable cloud architecture (MVC) and Landing Zone configurations
- Documentation and Knowledge Transfer
- Customer Satisfaction

Intelight (Azure architect)

- Design and Implement B2C, IoT Hub, Edge, Big Data and Analytics
- DevSecOps architecture, design, and implementation
- Automation of hub and spoke architecture via Terraforms
- Design, architect and implement minimal viable cloud architecture (MVC) and Landing Zone configurations
- Documentation and Knowledge Transfer
- Customer Satisfaction

Saskpower (Azure architect and mentoring)

- Conduct workshops to identify current and future states
- Prepare roadmap, blueprint for operational best practices and procedures
- Create custom coaching and mentoring program
- Document and implement program
- Create real-life lab scenarios for client team to execute

RBC (Security Architect for Azure Cloud Platform)

- Defining new security controls objectives for Azure cloud journey with internal security team
- Assessing and adapting existing security controls for Azure cloud platform and services
- Translate group security controls into technical implementation guidelines for developers and engineers
- Review security controls implementations in DevOps pipeline and ARM templates
- Review and assess deployments for security
- Document security deployment and run books
- Provide details during Audit and 3rd party security reviews
- Deploy security compliance and policies on cloud platform to implement governance

Scotiabank

- Review and perform security assessment for GCP deployments
- Provide security guidelines for implementing and using GCP platform
- Design security for all self-service GCP deployments
- Implement security monitoring and alerting for all GCP deployments using Forseti and Google Security Command Center
- Produce deployment templates and pipeline for secure GCP self-service deployments

Alberta Treasury Board

- Security Auditor for production GCP platforms
- Review and provide gap analysis for security objectives
- Reporting and recommendations for closing up security gaps
- Educating operators, architects and stakeholders for better security awareness and concerns
- Office 365 Security Architect
- Security design and implementation for Office 365 Cloud Apps
- Modern Device Services and Mobile Device Management setup via Intune
- Identity strategy design and surety with SSO, MFA, Conditional Access and Azure Identity Protection
- Data Security design with Data Loss Prevention, Azure Information Protection and Information Protection with Microsoft 365
- Threat and vulnerability detection with Advanced Threat Protection, Safe-Attachments, Anti-Phishing, Safe-Links, Anti-Spam, Threat Intelligence and Reporting

Payments Canada

- Security Auditor for production GCP platforms
- Review and provide gap analysis for security objectives
- Reporting and recommendations for closing up security gaps
- Educating operators, architects and stakeholders for better security awareness and concerns

Bank Of France

Infrastructure and Cloud Architect /Collaboration Solution Architect (O365)

- Designing and implementing strategy for Public Cloud adoption and Cloud journey based on AWS
- Architecting cloud patterns and architecture for compliance in banking and financial sector
- Defining migration strategy over to cloud and hybridization
- Securing resources on the public cloud with Risk Registers, Risk Acceptance criteria definition as well as Risk Mitigation derogatory
- Designing and Implementing hybrid cloud via Cloud Exchange partners (Equinix for Direct Connect)
- Designing Monitoring Strategy for Identity and Security in public cloud
- Designing Site Recovery Strategy in public cloud
- Documenting Detailed Solution Design for public cloud architecture
- Design Management Monitoring and Business Continuity Strategy over public cloud using Multi Region and Multi AZ per Region
- ensuring conformity with GDPR and LPM (Military Programation Law) regulation via data security design
- Securing Data in transit and data at rest
- Tenants management
- Custom Domain and Domains managements
- Network and Security planning, design and deployment for O365
- Implementing information sharing policies using Right Management Services

- Groups, Roles and Permissions strategy design and deployment
- Cloud Identity Management
- Identity and Access Management (AD and AAD)
- Implementing MFA and Conditional Access
- Designing and implementing identity federation using Okta
- Deployment and management of AAD Connect
- Designing and implementing Skype for Business on premise with partner federation
- Mobile device management with Intune

Schneider Electric

Lead Architect for O365 migration for 120,000 users

- Consolidation and sanitizing of all AD and mailbox accounts in preparation for migration
- Preparing Lotus Notes domains for migration
- Implementation of GalSync for Lotus-Azure synchronization
- AD Remediation, Patching and Remediation
- Design and deployment of ADFS 2.0 in secure mode
- Upgrading from ADFS1 to ADFS2
- Implementation of AADConnect
- Exchange design and deployment in Hybrid mode
- Designing and deploying Skype for Business in Hybrid mode
- Design and deployment of SIP trunks and Oracle SBCs for telephony
- Setting up RMS templates and configuring RMS services on Azure
- Strategy planning for retention policy and legal hold

Azure SQL Architect

- Azure SQL design and deployment
- Capacity planning and migration of existing workloads
- Security planning for database access
- Life cycle management for patches and updates
- Design and implementation of backup and retention policies
- Implementation of Point In Time Recovery
- Planning and implementation of SQL Azure Data Sync
- Azure App Service design and implementation

Azure Solution Architect

- Core Infrastructure design and deployment on Azure
- Sizing of regional and global availability
- Design and implementation of Azure AD
- Planning and management of Azure's static IPs (whitelisting, RBL check etc.)
- Design of VNet, VNet Peering, ACLs and NSGs in Azure
- Implementation of Azure's security groups and identity management
- Deployment and management of VMs in Azure
- Planning and implementation of Azure Availability Sets, Fault Domains, and Update Domains
- Azure VPN and Express Route Design
- Design and implementation of Azure Load Balancing and Traffic Manager
- Azure Media Services and Content Delivery Network setup
- Setting up strong authentication with Azure MFA

Orange Business Services

Cloud Architect

- Help the clients with the right subscription plan selections for public cloud on AWS and Azure

- Assist in capacity and functional requirements
- Help clients to gather all functional and non-functional requirements
- Prepared project plan with clients
- Helping customers to setup Proof of Concepts and trials
- Provide pricing and cost calculations
- Provide migration guidelines
- Assist in migration
- Project lead and follow-up
- AWS and Azure Architecture design
- Infrastructure and Networking design
- Regional Availability and High Availability design and implementation
- Azure Active Directory and AWS IAM design and implementation
- Azure VNET and AWS VPC planning and IP address capacity management
- Azure NSG and AWS Security Group design and implementation
- Designing and right sizing cloud computes
- Planning and designing high availability and disaster recovery on cloud
- Designing Azure VPNs and ExpressRoute
- Designing AWS Direct Connect
- Designing security compliance zone on AWS and Azure
- Design and implement development and deployment pipelines using Terraform, Jenkins, Git, Bitbucket and PowerShell

OVH

Public Cloud Architect

- Cloud Architecture Design for OVH Customers on VMware vSphere and VMware vCloud Director and Openstack
- Installation and deployment of virtualization solutions
- Testing of the deployment phases and automation of the steps
- Automation via Perl and Shell scripts for Debian/CentOS/Suse deployment and configurations
- Provide proof of concept for future deployments
- R&D on new products and services related to virtualization for new offers
- Implementation of Datacenter solutions: vShield Manager, Cisco 1000v, ASA 1000v, vxlan, Openstack Neutron
- Design and deployment of private Cloud solutions with vCloud Director 1.0, 1.5 and 5.1
- Upgrade and migration of vCloud infrastructures from 1.5 to 5.1
- Testing and implementation of Disaster Recovery solutions with VMware SRM for 200+ hosts, 9,000+ vm and 20+ Po of data in use with Site Recovery Adapters (SRAs) as well as vSphere replication.
- Constantly improving tests of the solutions already in place by optimizing using metrics and statistics.
- Provide support for the deployed solutions and services

NEXIO

System and Infrastructure Consultant

- As a technical consultant, I was involved in defining the infrastructure for new and existing clients.
- Management of customer projects from design to implementation and delivery
- Be positioned as a technical resource at the customer's site to act as a team leader or delivery consultant for several transverse projects.
- Acting as a technical expert on customer sites for deployments and for level 3-4 assistance
- Propose improvements to the existing infrastructure and provide remediation
- To be the technical subject matter expert for customers for several technologies (Microsoft, VMware, Cisco, Linux and open source).
- Be positioned with strategic partners (Google, VMware, Cisco, EMC, Netapp, CommVault, and Microsoft) to provide support or advice to their customers.

- Positioned at the customers of strategic partners to define new architectures or enhancements of existing platforms under migration, upgrade or extension.
- IT team management (4 employees including me)
- Daily activities: supervision, support, optimization
- Follow-up of the various projects in progress and to provide support.
- Follow-up of monthly backups and restore tests

MCEASYFREIGHT CO

IT Director

- Define the new infrastructure and document the deployment, operations and maintenance plans
- IT team management (4 employees including me)
- Involved in daily activities: supervision, support, optimization
- Assignment of daily roles and missions to the team
- Follow-up of the various projects in progress and to provide support in the face of blocking points.
- Follow-up of monthly backups and restore tests
- Liaison with the various service providers (customs software etc.) to solve recurring problems and develop modules specific to the company's needs.

RESAPLANET

IT Director

- Defining the new infrastructure and drafting the deployment plan
- IT team management (6 employees including me)
- Involved in daily activities: monitoring, support, optimization
- Assignment of daily roles and missions to the team
- Follow-up of the various projects in progress and to provide support in the face of blocking points.
- Follow-up of monthly backups and restore tests
- Implementation of the Exchange 2003 cluster with 4 nodes
- Implementation of SQL 2005 replication (transactional replication) with a Publisher and 3 Subscribers
- Website development and internal customer management software (CRM)
- Development of email processing robots
- Interactions with different vendors to target and deploy scripts to automate internal request processing.

Education

DEC 2013

Bachelor of Chemistry/ Cambridge University, UK

Languages

- English: fluent (speaking, reading, writing)
- Français: fluent (parler, lire, écrire)