

SOMNATH CHAKRABORTY (Som)

Associate Director & Lead Architect, Cognizant Infrastructure Services Professional Services
Enterprise Computing & Cloud Service Practice, UK

Education: Degree in Electronics & Communication Engineering

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Technical Role

- ⊙ Enterprise Infrastructure Architect
- ⊙ Enterprise Solution Architect

Functional Role

- ⊙ Program & Project Management
- ⊙ Lead Consultant
- ⊙ Pre Sales

Current & Previous Employers

- ⊙ Cognizant – Associate Director & Lead Architect
- ⊙ Wipro – Sr. Practice Manager
- ⊙ TCS – Sr. Consultant / Dy. Manager Support
- ⊙ Digital-Customer Support Engineer

Industry Sectors

- ⊙ Energy & Utilities
- ⊙ Life Science & Healthcare
- ⊙ Manufacturing
- ⊙ Information Media and Entertainment
- ⊙ Banking & Finance
- ⊙ IT Service Sectors
- ⊙ Technology
- ⊙ Government
- ⊙ Petro Chemical

PROFESSIONAL SYNOPSIS

- ⊙ Result oriented operations of 21 years across IT Industry entailing architecture, consulting & project management experience focusing on end-to-end infrastructure solution. Currently working as Associate Director and Lead Architect in Cognizant Infrastructure Service Professional Service, part of Enterprise Computing & Cloud Practice, UK
- ⊙ Performed leading roles for large infrastructure programs, thought leadership towards innovative solution and involved a significant amount contributing to program/ project management, overall business architecture, liaising directly with account team, business stake holders and BAU team at all stages including pre sales, solution design and program delivery
- ⊙ Successfully completed one of the largest SAP Migration programme in Europe in Jul' 2019. Worked as a transformation & transition program manager in Centrica (British Gas) for a large SAP migration from client data center (DC) to private & public cloud. My responsibility includes programme management, architecture review & governance to leverage cloud-enabled features to reduce the TCO and transform to the latest supported versions of Linux and delivery of Data Centre migration of their entire SAP landscape. This programme is to cover Centrica's entire workloads including SAP & Non-SAP to migrate from their existing DCs to either Public Cloud (Azure) or Cognizant hosted Private Cloud at SunGard DC
- ⊙ In Centrica, the SAP migration work was involved infra build, full application installations, data migration, validation, testing and security remediation across the estate and go lives of close to 80 Services (~40 SIDs) moving from DxC to Cognizant SunGard DC and overall 170 services covering SAP & Non- SAP applications moving to Private (SunGard) & Public cloud (Azure)
- ⊙ Previously engaged as engagement lead & architect in GlaxoSmithKline (GSK) global manufacturing & supply to manage and deliver a large legacy server re-platform programme (1700+) servers, database and application migration and Hardware Technology Refresh programme (100+ obsolete servers, storage & network switch)
- ⊙ Previously engaged in Heathrow airport as a lead infrastructure architect for a large digital programme that includes a brand new website with flight information hub and responsible for getting the high level design (FSA) and detailed design (CDD) get through the governance and get the proof of concept successfully passed based on the new requirements (Aug, 2014)
- ⊙ Previously engaged in Cambridge Assessment as a lead architect from pre sales to programme delivery to develop two new segregated test environments, a replica of their existing production and successfully delivered it in Sep, 2013
- ⊙ Previously engaged in a large bank in the UK, as an infrastructure solution architect part of enterprise architect design (EAD) team, to provide several design artifacts for a number of high profile projects focusing on infrastructure solution covering platform (Wintel x86/x64, Linux, Unix, IBM system p/SUN, Mainframe IBM z series/Unisys), sizing & capacity management of data centre, storage, backup, network, messaging, active directory, identity management, decommissioning
- ⊙ As a lead consultant, responsible for solutioning and preparing proposal in response to RFI/RFQ/RFP and focusing on infrastructure core solution across Europe.
- ⊙ Previously engaged as solution architect, pre-sales role in Wipro Technologies UK, responsible for preparing solution proposal focusing on end to end infrastructure solution and implementation specialist role in EMC, responsible for solution design and implementation of various EMC engagements across UK

- ⊙ Strong knowledge on large scale Data Centre migration and transformation projects
- ⊙ Strong knowledge on platform, enterprise class storage, backup, database, archive, disaster recovery, de-duplication and virtualization solution
- ⊙ Knowledge of Offshore Development Methodology. Comfortable interacting with multiple levels of organisation, management and staff from different locations
- ⊙ Effective communicator & work as a team with strong analytical, problem solving skills
- ⊙ Dynamic and self-motivated engagement lead & architect with technical capability, who can work with various stake holders to evolve customer requirements to program delivery

AREA OF EXPERTISE

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|---|--|
| ⊙ Enterprise Solution & Infrastructure Architecture | ⊙ Enterprise Storage, Backup and Archive |
| ⊙ Large Scale Data Centre Strategy, Build & Migration | ⊙ Business Continuity and DR |
| ⊙ End to End Infra design for app servers & integration | ⊙ IT Security and Risk Auditing |
| ⊙ Analysis, Capacity Planning & Monitoring | ⊙ Identity & Access Management |
| ⊙ Program & Project management | ⊙ System Integration |
| ⊙ Consolidation, Simplification and Virtualization | ⊙ Architecture Tools (TROUX, Infoblox, SM7, Visio) |

TRAINING & CERTIFICATION

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|---|---|
| ⊙ Cognizant Future Leaders Development Program | ⊙ Cognizant Digital 101, Agile & DevOps Certified |
| ⊙ Amazon Web Services (AWS) Solutions Architect | ⊙ Wipro Project Management FTI-1 & FTI-2 Certified |
| ⊙ Microsoft Azure Infrastructure Solutions | ⊙ Wipro Quality Policy - Veloci-Q 201 Certified |
| ⊙ TOGAF 9 & ITIL Foundation | ⊙ Dell Certified System Expert Server & Storage Certified |
| ⊙ VMWare Professional DC Virtualization | ⊙ EMC Proven Professional Associate Certified |
| ⊙ Cognizant Situation Leadership II (Ken Blanchard) | ⊙ EMC Proven Professional Specialist IE Certified |
| ⊙ Cognizant Global Manager Program | ⊙ EMC Proven Professional Specialist CE Certified |

ACCOMPLISHMENTS

- ⊙ CIS Q4-2017 "Best Service Delivery" award for successfully delivering Legacy Server upgrade programme in GSK
- ⊙ Windows 2003 Server Re-platform programme is highly praised by GSK Sr. management (CIO, SVP IT) for achieving 100% compliance by the end of Microsoft support and successful delivery of Project. Level of compliance not something previously achieved by any group in GMS-IT
- ⊙ CIS-Europe 2015 "Associate Of The Year" for the role in GSK at CIS Town Hall from CIS, SVP and VP
- ⊙ CIS Europe Q2-2015 "Best Project of the Quarter" for successfully delivering Legacy Re-platform programme in GSK
- ⊙ CBC-IT IS Europe Q2-2014 "SPOT Award" for supporting successful delivery of the Heathrow Digital programme

EMPLOYMENT HIGHLIGHTS

Since January 2013 with Cognizant Technology Solutions Limited, UK

Company Profile: Cognizant Technologies is the Global Service provider and one of the leading IT Company. The company offers a broad portfolio of products and services focusing on various industry verticals broadly information media and entertainment, financial services, manufacturing & healthcare, retail, consumer goods, transportation & services, technology along with various service lines including Cognizant Business Consulting, IT Infrastructure, business process outsourcing etc.

Career Path:

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| Aug 2019 – till now | Solutioning & supporting RFP responses - Associate Director & Lead Architect |
| Jul 2018 – Jul 2019 | Centrica DC Migration to Public & Private Cloud – Associate Director & Lead Architect |
| Oct 2014 – Jun 2018 | GSK GMS Legacy Re-platform programme, UK - Associate Director & Lead Architect |
| Jan 2014 – Sep 2014 | Heathrow Airport, Digital programme, UK - Lead Architect |
| Jan 2013 – Dec 2013 | Cambridge Assessment, Build & Migration programme, UK - Lead Consultant |

Key Engagements:

As Programme Manager & Lead Architect – Centrica, UK

- ☞ Working as transformation & transition programme manager & lead architect in Centrica SAP migration, as part of Cirrus programme (~£15m). This is to move Centrica SAP application and their associated infrastructure into private cloud at SunGard and public cloud at Microsoft Azure
- ☞ A new Data Centre was built at SunGard and IaaS platforms was completed in 2018 for the Cirrus SAP Exadata migration. We have successfully migrated Centrica SAP estate covering UK-Home & UK-Business platform from

Centrica's existing DXC Data Centre to Cognizant SunGard for both Pre production & Production and their Dev / Test environment are moved from HP VPC to Microsoft Azure cloud

- ☞ This work has involved infra build, full application installations, data migration and security remediation across the estate, which amounts to SIDs ~40 Systems belonging to ~80 Services from DxC to Cognizant Private Cloud
- ☞ I have been contributing to overall planning, liaising directly with client and managing the weekly steering meetings, Board meeting, reviewing Risk & Issues and actively participating discussion with various application architects, BAU teams in regards to provisioning & build, database copy, OAT, FRT, Interface testing & Cutover planning. This was to ensure to align the solution with Centrica standards and take into account existing components and are future proof. I was also providing important input to migration & Cutover planning which led to smooth execution
- ☞ The SAP App is active across DC using stretch cluster hosted on VMs/LPARs/Bare Metals and Hitachi Global Active Device is used for replicating block storage. Database Backup strategy was to use B2D by using Oracle ZFS and application being backed up using CommVault. Database is running primary/standby using Oracle DataGuard. Cloud automation including cloud orchestrator for auto provisioning/compliance and Chef/Puppet for configuration management.
- ☞ The primary objectives was to deliver cheaper hosting costs by migrating to the private / public cloud and transform the applications where applicable to leverage cloud enabled features to reduce the total cost of ownership and transform to the latest supported versions of Linux
- ☞ End-to-End Accountability and taken ownership and tracking of key project lead performance indicators
- ☞ This has been a mammoth effort in what is arguably one of the largest SAP cloud migrations in Europe. Many long hours, weekends have been spent to deliver this for the Client
- ☞ The programme has received many appreciations, including from Centrica Group CIO and Cognizant Senior Leadership team for the successful completion of the migration

As Engagement Lead & Lead Architect – GlaxoSmithKline, UK

- ☞ Previously engaged as Engagement Lead & Architect in GSK Global Manufacturing & Supply (GMS) to manage and deliver large scale legacy server re-platform programme (1700+ of server, database and application migration to Windows 2012/2016) across 75 GMS sites all over the world and Hardware Technology Refresh programme (100+ obsolete servers, storage & network switch) across 17 GMS sites all over the world. Responsible for successful delivery of the program using CAMS method and migration factory model and manage a team size of 14
- ☞ These legacy servers identified in GMS are potential for regulatory non-compliance, risk to business and security breaches. The project was initiated in Oct-2014 with three vendors TCS, Cognizant and Deloitte. Excellent contribution towards delivery differentiates us with others in extremely challenging situation. Subsequently the entire programme was awarded to Cognizant for Technical Delivery and PMO
- ☞ Actively participated in Solution Design (SDRs) preparation and ensured that proposed solutions are aligned with GSK standards and take into account existing components and are future proof and also creating migration planning based on the factory model for legacy application migration & remediation using industry leading migration tools
- ☞ Architecture assessment for Legacy server vulnerabilities coordinating with Service Owners and Corporate Cyber security teams. Working closely with Tech Ops for further analyzing Active Directory, DNS audits & reporting
- ☞ Being an engagement lead & programme manager, facilitating the weekly steering meetings to share the progress update to GMS Tech Leaderships team

As Lead Architect – Heathrow Airport, UK

- ☞ Previously engaged as a Lead Infrastructure Architect in Heathrow Airport for a large digital programme that includes a brand new website with Flight Information hub. Responsible for getting the high level design (FSA) and detailed design (CDD) get through governance and get the proof of concept successfully passed

As Lead Consultant – Cambridge Assessment, UK

- ☞ Previously engaged as a Lead Infrastructure architect in Cambridge Assessment from pre sales to programme delivery and successfully delivered the entire programme (Oct, 2013)
- ☞ I was responsible to design, build and support the seven integrated delivery workstream(s) to develop two new test environments, which is a functional replica of their Production environment for 27 in scoped applications
- ☞ The System Integration Test (SIT) and User Acceptance Test (UAT) environments have been hosted as segregated environments to Production that are self-contained and managed end to end
- ☞ The environment is mostly virtualised and is hosted on AIX and Wintel platform with IBM and EMC Data storage. It has got a mix of SQL and Oracle Databases
- ☞ The network architecture is based on three layers– core, distribution and access layers also using Cisco FCoE technology, Cisco ASA, Checkpoint Firewall and Big IP Load Balancer technology

Since October 2007 with Wipro Technologies Limited, UK

Company Profile: Wipro Technologies is the Global Service provider and one of the leading IT Company. The company offers a broad portfolio of products and services focusing on various industry verticals broadly energy & utilities, manufacturing & healthcare, retail, consumer goods, transportation & services, financial services, technology along with various service lines including technology infrastructure, consulting, business process outsourcing etc. Wipro Technologies is one of the leading provider of the integrated business, technology and process solution on a global delivery platform.

Career Path:

2011 -2013	Infrastructure Solution Architect – Lloyds Banking Group, UK
2009 -2010	Sr. Practice Manager and Solution Architect – Southern Water, UK
2007 -2009	Sr. Practice Manager - EMC Practice, UK & Europe

Key Engagements:

As Infrastructure Solution Architect, Wipro – Lloyds Banking Group, UK

- ☞ Previously engaged as an Infrastructure Architect, part of enterprise architect design centre team, I was working on a number of high profile projects at the tune of several hundred million pound, including data centre migration, divestment programme, mandatory & regulatory projects and understanding their business requirements and responsible for providing several design artifacts from high level to end to end e.g. SOSD, E2EPD in various program stages and also responsible for getting this through to the governance
- ☞ Previously engaged in a large green field data centre migration programme (total size of the programme USD 500Mn) and working as EAD lead for UNIX (p Series) platform migration. In this capacity I was responsible for interaction and assembling end to end solution design documents in conjunction with other platform design lead, domain architect and service delivery team. Responsible to contribute to the detail component by using enterprise architecture tools like TROUX, existing CMDB sources and operational views of IT system ensuring all the physical hardware like platform, networks, storage are fully specified with all sizing information
- ☞ Previously engaged with a large divestment program and working as infrastructure solution architect for two major workstream to understand the infrastructure impact towards platform (wintel, midrange), storage, data Centre, network and outline a solution design. Worked closely with the application architects to produce infrastructure solution based on standard architecture and likelihood of it being delivered on time, on budget

As Sr. Practice Manager, Southern Water, UK & EMC Practice, Wipro, UK & Europe

- ☞ Previously engaged in a big transformation program in major utility company in the UK, in an effort to transform their entire IT landscape and align customer IT strategy with the business needs. As part of the program, Southern Water wanted to replace its ageing silos of direct attached storage, servers and desktop access infrastructure with latest technological advances to create business oriented IT systems. This strategic IT infrastructure would ensure that applications and data are highly available and accessible, and can quickly be recovered at either Data Centre in the event of failure or disaster
- ☞ To achieve these objectives, Wipro had proposed to implement enterprise class EMC storage (CLARiiON), NAS (Celerra), CAS (Centera) and backup (VTL) solution and also virtualize /consolidate the productivity applications and business systems on to new platforms. The total size of the program to tune of USD 9Mn (Capex). Key role in leveraging Global Delivery Model for significant cost advantages to clients

1999 – 2007 with TATA Consultancy Services (TCS), India, USA, UK

Company Profile: TCS is one of the leading IT Company from the Tata Group, in the field of Information Technology. The company offers a broad portfolio of products and services including Technology Consulting, Offshore Development Services, Systems Integration Services and Business Process Outsourcing.

Career Path:

2004 -2007	Solution Architect and Implementation Specialist Role in EMC, London, UK
2003	Implementation Specialist Role in EMC, Boston, USA
1999-2003	Sr. Consultant / Dy. Manager Support - Tata in Kolkata, India
1996-1999	Customer Support Engineer, FM Operations - Digital in Kolkata, India

Key Engagements:

As Solution Architect and Implementation Specialist Role in EMC

- ☞ As a Solution Architect and Implementation Specialist, my responsibility was to include to design and implementation of various EMC engagements in the UK. I had successfully executed various SAN implementation projects in Windows Clustering, Solaris, HP UNIX, Red Hat Linux, AIX which typically includes installation and knowledge transfer of various EMC applications like SnapView, MirrorView, SAN Copy, RM, RepliStor, Visual SAN etc. This includes design and implementation of switch fabrics, zones, iFCP switches, scripting etc

As Dy. Manager Customer Support Role in Tata, India

- ☞ Worked as a Dy. Manager Customer Support Engineer focusing on implementation, configuration and post installation support for various clients in India. Worked as a Specialist support for Dell products and for all Compaq, HP and IBM Servers especially in clustering, Storage

As Service Engineer Role at FM Operations in Digital, India

- ☞ Worked as a Customer Support Engineer at Digital, focusing on Facility Management Operations and single handedly managed helpdesk operations at various clients in Kolkata, India