

# Sankar Saral

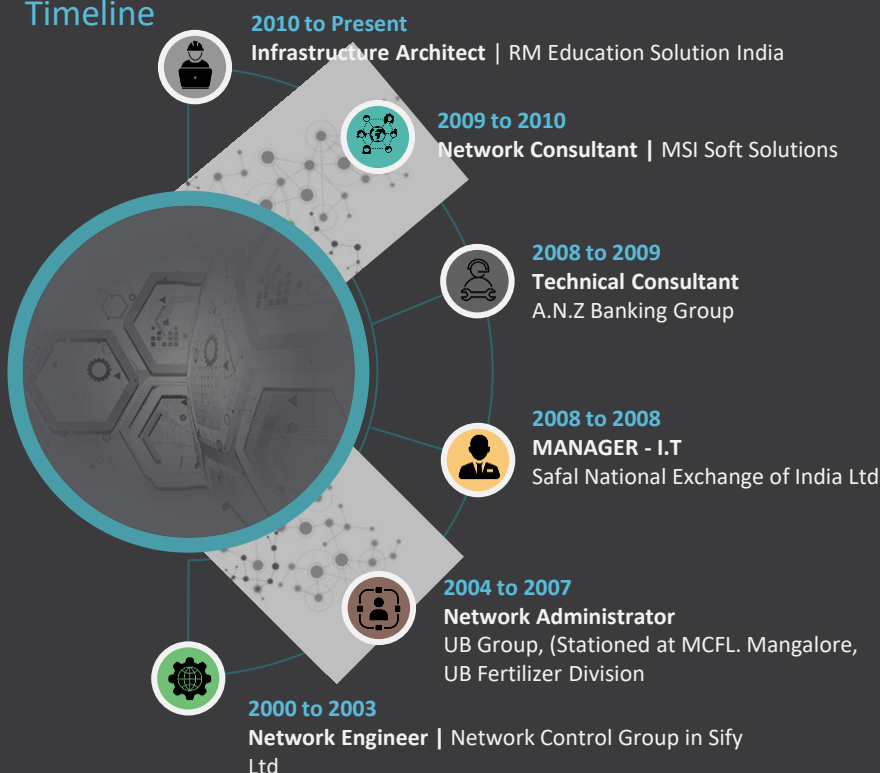
A highly motivated individual Nandakumar with 18+ years' experience as an Infrastructure, has dedicated his expertise towards rendering scalable services through infrastructure. Functioning across roles, Nandakumar is recognized for his contribution towards Infra management frameworks, security operation frameworks and IT landscape.



Acknowledged for his efficiency in capacity of architect and technical authority that has led to multi million bid responses. With the ability to look at the bigger picture in networking technologies, he has reviewed threat intelligence reports and feeds, made recommendations for the operations.

A seasoned professional who has worked towards identifying potential technological innovations, and engaged with the corresponding businesses. Nandakumar has worked towards design, implementation of various LAN, wireless ERP and Trading Exchange Data Centers. He has also designed solutions and handled escalations as the POC for academies and schools in the UK.


## Career Timeline



## Keys Areas' of Focus

- Lead all aspects of the strategic direction of the enterprise infrastructure organization including data centers/hosting, networks and telecommunications, desktop and devices, helpdesk, service delivery, information security, and shared applications.
- Evaluated key industry, technology trends and provide thought leadership to the enterprise while ensuring the IT team is engaged on current trends and developments.
- Extensive hands-on experience working with Security operations center.
- Driving technology infrastructure and production services towards an efficient, responsive and reliable internal delivery organization focused on service and cost while aligned to business segment priorities and requirements.
- Worked closely with engineering team and SOC Monitoring team to continuously improve the accuracy and relevance of our detection tools and capabilities.
- Responsible for the effective monitoring and management of all security issues that Security Operations team are responsible for delivering.
- Lead planning and implementation of a data management and governance program and for the migration and replacement of technology hardware, operating systems, and networking platforms, as needed.

 [info@visualcvs.com](mailto:info@visualcvs.com)

 7010630927

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## Skills

### Portfolio

Network & Product Management

Enterprise IT Infrastructure Architect

Operations & Management

Enterprise Campus LAN

Wired and Wireless

Datacenter & SOC Operations

- Security product development & Management
- ITIL & ITSM Governance
- Vendor & Network Capacity Performance Management
- IT Service Management
- LAN / WAN
- Cloud Computing - AWS & Azure
- Large Bids and Solution
- Design and Review of solutions
- Project Onboarding & Evaluation

- Developed and coordinated effective disaster recovery policies and standards to align with enterprise business continuity program goals.
- Coordinated the development of implementation plans and procedures to ensure that business-critical services are recovered in the event of a security event.
- Providing security advice and consultancy to lines of business.

## Areas of Impact

### IT Operations

- Provided technical solution designs for Large to Medium bids (varying between few million to billion pounds) for various Academies, Colleges and Other Projects.
- Installed and Maintained Wan on Lease Lines, RF-Wireless Links, E1-R2 / Serial Lines, ISDN-BRI & PRI, ISP-VPN, Vsat connectivity across remote area offices with high uptime for Applications & ERP from Central Location.
- Monitored and analyzed of Network Security, Vulnerability Assessment and risk mitigation of Servers, LAN, WAN, Servers using Network Tools & Gateway Antivirus Products.
- Developed and maintained enterprise systems architecture, defining standards and protocols for data exchange, communication, software, and interconnection of business.
- Worked towards maintenance and administration of ISP Network Operations, ERP Data Center, Exchange Datacenter and Enterprise Network Operation with 99% uptime.
- Produced solution overviews, solution briefs and installation briefs for large to medium project deliveries.
- Developed new wireless, wired and cyber security solutions for leading product portfolios, to cater to small, medium and large clients.
- Developed technical transition and acquisition plans for managed service offerings.

### Functional Leadership

- Prepared transition documents, Templates for capturing the whole IT Ecosystem of managed service customers and other varied support contracts.
- Provided recommendation on evaluation, selection, implementation and maintenance of IT systems. Ensured appropriate investment in strategic and operational systems.
- Maintained knowledge depository of trouble shootings documents of I.T functions
- Recommended, coordinated and controlled projects related to selection, acquisition, development, and installation of major Systems, tools and information systems requirements.
- Negotiated with vendors, floating RFP , identified products and solutions matching the budget and technical requirements
- Worked towards continuous delivery and operation of IT infrastructure and Systems with Business Continuity Plans.
- Tracked annual operating and capital budgets for IT systems operations activities and costs.

## Work Experience

### Infrastructure Architect | RM Education Solution India

#### Job Overview:

- Prepared solutions, high level technical design ( HLD), wordings ,implementation estimates and costs for BIDs for large academies.
- Produced switch and wireless configuration templates for roll out and IP and VLAN schema for the new sites.
- Defined the solution elements and recommended campus LAN infrastructure solution elements suitable for the prospective & existing customers in consultation with all stake holders.
- Defined standard transition templates, Audit outputs that captured the entire IT landscape of Customer.
- Assisted onboarding, audits and review.
- Supported commercial and technically viable infrastructure product road maps for the UK education market.
- Estimated effort and costs while developing solution to be rolled out as standard product through marketing and sales.
- Produced custom / bespoke project scope of works, Installation consultant deliverables, standards and signoff.
- As technical authority, at Implementation stage, produced low level design, solution briefs, scope of works (SOW) documents, & assisted in UAT and signoff of projects.

## Technical Expertise

- Well versed with cloud computing, AWS and Azure platform and server virtualization Platform – (Hyper V, VMWARE)
- Cyber security product development and management, Fortinet -CTAP | Trend Micro, etc.
- Exposure with Firewalls - Cisco Pix /ASA, Fortinet / Smooth wall UTM |Deliver Site to Site VPN |Remote Access IPSEC VPN and Conceptual knowledge on multi context ASA, VDOMS etc.
- Proficient in Implementing and configuring ADS, DNS, RADIUS (IAS/NPS) and other TCP/IP services on Windows NT/2000/2003/2008 & 2012.
- Network Management Tools: Aruba Central | Auvik, HP PCM-V4 | CA -E health & Spectrum | Compuware Network and Application Vantage | MRTG, Solar winds | WhatsupGold | Netflow Analyzer.
- Security tools: Ethereal, Gateway scanners for Web and Mail Traffic
- Experienced in APC powered Datacenter equipped with APC infrastructure series racks | RC Chiller units |PDU |PRS-UPS.
- Basic Knowledge of SAP Basis related activities & Transactions
- Basic Administration knowledge of Solaris| Linux| Unix & Novell 2.1, 3.11, 4.11.
- Microsoft Enterprise product implementation – DC| ADC| Exchange 2007|SMS|WSS |OCS. Micro gateway products on a VM-Ware-Motion ESX-3.2 Virtual server platform with high availability cluster on EMC San boxes
- Exposure with SAP-R3 Basis (basic) activities and T Codes and C.A -Service Desk and documentations on ITIL norms.
- Working Knowledge with Static routing, EIGRP, OSPF and Vlan. IOS up gradations and installing patches for Switches, Routers and Dialup 3com RAS

## Academics

- Bachelor of Computer Applications – Calicut University
- MBA (Project Management) - Karnataka State Open University
- Diploma in Computer Application- Institute of Human Resources Development

**Job Overview:**

- Implemented Infrastructure standard operational manuals and operational reference documents.
- Created support, transition plan, establish connectivity and knowledge transfer of client infrastructure estate based on HIPAA' compliance for the clients in insurance domain
- Completed transition of Network Support center functions of a US based health care and work force consultants to new offshore center setup in Cochin India.
- Worked as part of ITSM team that implemented ISO 27001 for the organization.
- Implemented Infrastructure standard operational manuals and operational reference documents

**Technical Consultant | A.N.Z Banking Group****Job Overview:**

- Provided data network capacity planning, analysis, forecast for Network links & Devices upgrades. Validated the Network design architecture.
- Managed and administered Capacity planning tools viz CA-Ehealth, Compuware Network Vantage and assisted in the integration of new network tools.
- Monitored for QOS queues and WAN optimization performance to ensure the links are devoid of congestions and bandwidth are optimally utilized.
- Worked with application developers and service providers to determine network performance prior to any roll outs.
- Reviewed application changes to improve network performance across networks.
- Monitored QOS queues and WAN optimization performance to ensure the links are devoid of congestion and bandwidth are optimally utilized

**Manager - I.T | Safal National Exchange of India Ltd .,****Job Overview:**

- Monitored and maintained Active-directory, DNS, DHCP, Radius, Blackberry enterprise services, Exchange 2003 Mail servers, MacAfee Virus scan EPO enterprise version, Ironport Web and Mail gateway products, Cisco & Juniper firewall and VPN boxes, Cisco Routers and switches.
- Maintained the ITSM governance, maintained software license, audits and ensure usages were within compliance.
- Maintained the Exchange Datacenter, data equipment viz load balancers, Firewalls, Routers, Stratus cluster servers, IBM Servers and Data streams on redundant links.
- Co-ordinated with vendors, Maintain uptime, SLA and coordinate with Principals of datacenter for RC chiller units, DG, UPS and other datacenter infrastructure.
- Experience on working in APC powered Datacenter equipped with APC infrastructure series racks, RC Chiller units, PDU, PRS-UPS.
- Maintenance of ITSM governance, maintained software license, audits and ensure usages are within compliance.
- Maintained strict compliance to data security process as per the online trade exchange platform norms.

**Network Administrator | UB Group, (Stationed at MCFL. Mangalore, UB Fertilizer Division****Job Overview:**

- Identified solutions, designing, implementation and maintenance of Campus LAN on Cisco 4503 core switch with Cisco 3560 as Hot standby, Linksys L2 switches on edge level on Multimode OFC, CAT6 , LAN extender Modems and Cisco Wireless Access Points ( AP 1121) with WEP and Radius authentication (IAS)
- Installed and maintaining Intranet Instant Messaging Chat server -Jabber, on Linux Platform with more than 130 users and Multi user Conferencing provision in it
- Planning, Implementation and maintenance of IT security on Cisco Pix 515 E Firewall with 6 - Zones for perimeter security with failover firewall ( IOS ver. 7) , Trend Micro Enterprise Antivirus Neat Suites-II products for Web filter& Scanning, Email gateway Spam Filter, Desktop and Server Antivirus
- Monitoring and Analysis of Network security, Vulnerability assessment with tools like Packet Analyzers, MBSA and mitigation of network risks and Win Servers with automated patches –SMS (Wsus)
- Configured IPsecVPN on Firewall for accessing Corporate services for roaming executives with Radius Authentication (IAS)and Site to Site VPN for Business partners and Remote office.

**Network Engineer- Network Control Group in Sify Ltd.,****Job Overview:**

- Conducted feasibility study, Implementation and maintenance of Enterprise IT infrastructure projects within deadline & S.L.A for remote enterprise through VPN connectivity on dedicated LL, Dial on Demand Routing & wireless Broadband
- Installed, configured and regular maintenance of Leased Lines, E1R2, Isdn PRI & BRI for ISP operations and Dial on Demand routing for projects for clients
- Proactive monitoring, maintaining and upkeep of wan links and critical network components like Routers, RAS modem bays and Switches with minimum down time for Calicut Sify POP.
- Installation and maintenance for Satyam File Exchange services, LAN Mail and Lotus Notes Clients for Corporate clients.

**Certifications**

- C.C.N.P – Cisco Certified Network Professional (Routing and Switching)
- CEH V.10- Certified Ethical Hacker (EC Council)
- AWS Solution Architect Associate
- Microsoft Azure Administration (AZ 103)
- ITIL -V3 Foundation Certificate. (EXO-101)
- C.C.N.A - Cisco Certified Network Associate
- VM Ware Certified Professional (VCP Delta 5.5)
- Smoothwall Certified Firewall Engineer
- Brain Bench Certification in Network Technical Support

**Personal Details****Address:**

11-G, Crescent May Flower Apartment,  
Jawahar Nagar Colony Road, East  
Nadakkave, Calicut – 673006

**Languages Known:**

English	
Hindi	
Malayalam	