

CURRICULUM VITAE - ROBERT JAMES WHITLOCK

2020



- Architecting Solutions with **attention to detail** while considering the **wider context**
- Ability to **work with, coordinate and obtain appropriate input from subject matter experts, project managers, business and other local and overseas role-players** to produce solutions to meet strategic, business and technical requirements
- **Technology agnostic** ensuring unbiased problem solving and design
- **Broad life experience** ensuring flexibility in all situations
- **Strong technical problem-solving abilities** in areas of personal expertise

Profile:

- **Most recent role** – Cloud/Infrastructure Solutions Architect Nedbank South Africa
- **Personal** - Married, [parkrun Event Director](#), travel, nature, [photography](#)
- **Contact Information** – rob@whitlock.co.za, 083 638 7568, ID 6008295025081

Education and Certifications:

Matric - Westridge High School – 1974 to 1978

B.Sc. Eng, Witwatersrand University - 1979 to 1982

Microsoft Certified: Azure Administrator – Associate

Microsoft Certified: Azure Solutions Architect - Expert

Various courses and certifications in the engineering and IT fields (see last page)

Summary of Work Accomplishments:

- 22 years IT Management, Cloud/Infrastructure Solutions Architecture and Design across many divisions of Nedbank, Standard Bank, Barclays Bank Plc in South Africa, the Middle East and the Indian Sub-Continent and arivia.com (T-Systems)
- 12 years Civil Engineering Structural and Hydraulic Design, Construction Project, Site and Maintenance Engineer on various parastatal Railway, Harbours and Airports related projects throughout South Africa

Employment History (in reverse order)

August 2019 to Present : Cloud/Infrastructure Architect Nedbank (contracted through DeArx)

- i) Cloud/Infrastructure Design and Architecture
- ii) Office 365/Skype for Business/Microsoft Teams architectures for Nedbank South Africa and Nedbank Africa Regions. Directory Synchronisation between on-prem and Azure.
- iii) Various cloud native projects including SaaS, PaaS, IaaS with and without integration to on-prem services etc
- iv) Work closely with SME, BizDevOps Teams and Solution/Domain/Enterprise Architects

January 2019 to August 2019 : [Apps SA](#) (Owner)

- i) IT Cloud and Infrastructure Engineering, Design and Architecture Consulting and Contracting
- ii) Web and Mobile Application Design, Development and Publishing
- iii) Freelancer for [inspireTEC](#)

September 2014 to December 2018: Standard Bank of South Africa : Infrastructure Architect

- iv) Participate in Cloud Migration Strategy and Planning. Primary Cloud Providers AWS/Microsoft Azure
- v) Use of DevOps, Agile, New Ways of Work and Lean Methodologies
- vi) Infrastructure Solutions designed and presented at various Architecture Forums e.g.:
 - a. *Diners Club Card Conversion to EMV*
 - b. *Call Centre Systems*
 - c. *Branch Virtualization/Centralization : networks, banking system, infrastructure management*
 - d. *Infrastructure and Application Management Systems : AppDynamics, Tetration, Elastic Stack*

- e. *Digital Channel and Mobile Banking* : Web and Mobile Internet Banking, Merchant Portal, Online Share Trading, Small Business Banking, Home Loans, Wealth Management Systems, Staff Assisted Banking, Standard Bank Public Websites Infrastructure and Applications Upgrades
- f. *SUSE Linux Hardware/Cluster Hypervisor Upgrades*
- vii) *Technologies* : IBM : pSeries, AIX, WebSphere MQ, WebSphere Application Server, Microsoft : Dell, Windows Server, Active Directory, Exchange, SQL, Hyper-V. Linux : Dell, SUSE, RHEL, Ubuntu. Oracle : Solaris. Databases : Oracle, MS SQL, IBM DB2. LAN, WAN, general firewalling/DMZ, Cisco ACE, Big IP/HAProxy/F5 Load-Balancing. VMware, Connect Direct, Python, MS Azure, AWS

April 2010 to September 2014 : Infrastructure Solution Designer : Standard Bank of South Africa (contracted through Inani Professional IT Services)

- i) Infrastructure Solutions designed and presented at the Infrastructure Global Design Authority e.g.:
 - a. *SAP E-Sourcing/CLM*
 - b. *Imaging and Content Management for Home Loans/Know your Client/Vehicle Asset Finance*
 - c. *Archiving of structured and unstructured data using IBM Content Collector for SAP*
 - d. *Lead Generation*
 - e. *Fingerprint and Signature Verification*
 - f. *Fraud Case Management (Intellinx)*
 - g. *DB2 Database Migration from mainframe/z/OS to pSeries/AIX*
 - h. *Enterprise Identity and Access Management (Computer Associates)*
 - i. *Innovation Development Portal*
 - j. *Consolidated Bank Wide IT Management System (Remedy)*
 - k. *Network Isolation for Building Management Systems*
 - l. *Branch Resource Management System*
 - m. *Environment design for application portfolios spanning x86, Open Systems and Mainframe*
 - n. *Teradata Test System Implementation with high capacity Network Design*
 - o. *Service Mapping of existing Bank Services*
- ii) Technologies incorporated:
 - a. *SAP – Netweaver, Webdispatcher, Enterprise Portal, TREX, Business Objects*
 - b. *Enterprise Content Management with IBM P8/FileNet*
 - c. *Technologies* : IBM : pSeries, AIX, WebSphere MQ, WebSphere Application Server, HIS, z/O. Microsoft : HP, Dell, Windows Server, Active Directory, Exchange, SQL, Hyper-V. Oracle : Solaris. Linux. Databases : Oracle, MS SQL, IBM DB2. LAN, WAN, firewalling/DMZ, Cisco ACE, Big IP/HAProxy/F5 Load-Balancing. VMware, Citrix/XenApp, Connect Direct, Data Warehousing (Teradata)

February 2006 to March 2010 : Infrastructure Architect, Solution Designer and Technical Coordinator : Barclays Bank

- i) Citrix and AD for the South Africa Data Centre.
- ii) ATM Solution for UAE.
- iii) Shared Reporting Infrastructure in various environments (Business Objects).
- iv) Flexcube Financial Systems for Angola, Mauritius and Tanzania.
- v) Treasury Solutions for UAE and Pakistan using Thomson Reuters Kondor Plus, KGR, RMDS, DTS.
- vi) Cash Management Systems India : Infrastructure High Level and Detailed Design.
- vii) Interactive Voice Recognition systems in UAE and India.
- viii) IBM Master Data Management: assist with High Level, Costing and Detailed Design for Barclays Know you client Anti-Money Laundering for 13 Emerging Market Countries.
- i) *Technologies* : pSeries, AIX, IBM MQ, IBM WAS, IBM HTTP Server. Windows Server, Active Directory. Solaris. Oracle on AIX, Sybase on Solaris, MS SQL on Windows. Citrix, Connect Direct.

Nov2003 to Feb2006 : IT Architect/Consultant : arivia.kom

- i) arivia.kom Senior Architect responsible for ACSA.
- ii) Technical Lead, Active Directory Specialist, Operations Management and Consultant for migrations of Novell, Windows NT4, Windows 2000 environments to Windows and Exchange 2003 for Department of Water Affairs and Forestry, Transnet, South African Revenue Services, Spoornet, arivia.kom.
- iii) WAN network assessment and upgrade coordination for Eskom eLearning drive and applications.
- iv) Develop SharePoint Server and Services 2003 extensively for arivia.kom Managed Services.
- v) Participated in development of Connectivity Architecture Model for arivia.kom.

November 1997 to October 2003 : IT Manager (Connectivity and Desktop Support) : arivia.kom

Leading Teams of up to 65 Connectivity and Desktop Engineers. Coordination of network architecture and network management designs utilising Microsoft Infrastructure technologies, Novell, LAN, WAN, mobile technologies. Managing general and Executive End User Support Teams. Major clients in the Energy and Transport sectors client user base 35 000. Annual Budget R 75 million.

Other Duties/skills:

November 1997 to Present

- i) Infrastructure Solution Architecture and Design standards, processes and procedures and SLAs
- ii) Budgeting, Costing, Pricing, Procurement, IT Audit coordination, Proposals, Tenders, RFIs
- iii) Personnel Management including productivity/capacity planning, training, performance appraisal, recruitment, change and diversity Management, role appraisal and description etc
- iv) Change Control, Capacity Planning, Configuration Management and Control, Escalation
- v) Client relationship building and general consulting
- vi) Relevant Security and Risk technologies and considerations

January 1985 to October 1997 : Transnet (previously SATS/SAR&H) : Assistant Civil and District Civil Engineer

- i) Civils Project manager for various projects across Southern Africa. Responsible for Management information systems including Geographical Information Systems
- ii) Design of wastewater treatment facilities, microwave towers etc countrywide
- iii) Construction Vryheid. Doubling of the Broodsnyersplaas-Richards Bay coal-railway line
- iv) Advise permanent way staff on Railway and associated maintenance planning

January 1983 to December 1984 : Full Lieutenant, National Service S.A. Corps of Engineers : SA National Defence Force

Undergraduate Qualification and Courses Attended and Certifications

- B.Sc. Eng, Witwatersrand University - 1979 to 1982
- Microsoft Certified: Azure Administrator – Associate
- Microsoft Certified: Azure Solutions Architect - Expert
- AWS Certified Solutions Architect Associate Course
- Microsoft Azure Infrastructure and Deployment Course
- Amazon Web Services Certified Solutions Architect – Associate - in progress
- Leading SAFe 4.0 SAFe Agilist Certification
- Bredemeyer Software Architecture Workshop
- Togaf 9.1 Course
- Prince2 Foundation Certification
- Kepner Fourie Root Cause Analysis
- MCSE Certification
- CompTIA A+
- Certificate Course in Arbitration – Association of Arbitration