

Profile

Driven and Compassionate Industry driver, with my fingers on the pulse's of each arena of interest. Trusted partner and advisor to executive teams in a number of Private and Governmental entities, and other senior leaders who require solid knowledge with sound cutting edge solutions. Progressive and Proactive with a knack for thinking outside of the box and ensuring that solutions are streamlined, tempered, error-proof.

Recent Assignments

2013 – Present

Solutions Architect

Consult, Design and Scope for all levels of enterprise organizations for:

- End to End Proposal Management from the technical requirements aspect to a bid development
- Business direction development from Consultancy to report efficacy and development tooling for company restart
- Trusted Advisor role for customers to deal with Vendors and market waves to ensure that they are not taken advantage of and made aware of all options even if it is not Fujitsu
- Infrastructure Storage Solutions from entry level NAS/DAS to Enterprise SAN
- Overall Data Center Solutions from Virtual Environments to HPC/Heavy Compute Data Centers
- Virtual Scalable standalone or Hybrid Environments
- Backup as a Service
- Stand Alone Backup Solution
- Multi-Tiered Backup solution with replication for BCDR
- Public and Private Cloud design and build-out for single and multi-tenanted solutions
- Workflow development for Big Data Analysis to business Possible outcomes
- Needs Analysis for business Pivot or alternate Revenue Stream determination
- IoT introduction and development for core business synergy with hybrid or cloud based technologies
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Previous Assignments & Experience

2011 – 2013

System Engineer IV

- Technical support for various companies region wide under the subject matters that I was deemed proficient and capable of managing.
 - Backups
 - Veritas NetBackup
 - Windows Backup
 - Symantec BackupExec
 - Unix Backup
 - Unix Software and Hardware
 - Storage – Variety of Vendors
 - Hitachi
 - Sun
 - Dell
 - HP
- Scope writing for Technical deliverable tasks for myself and Junior staff engineers
- Site visit assessments which fed into Bids and proposals
- Solution Marketing by giving presentations and being the technical point of focus for customer questions when needed.
- On-call third live specialist supporting all engineering levels remotely

2010 – 2011

Engineer II – R.I.M.

As the Subject Matter Expert for the fields of Sun/Oracle as well as S.A.N. technologies and Enterprise Backup Solutions I am placed into a role of mentoring and ensuring that all members of my team are afforded the same opportunities to advance while also giving the customer the greatest value for their output. Notwithstanding that aspect I am also considered the Second Lines of Diagnostics and Troubleshooting for the aforementioned technology areas.

2009 - 2010

Technical Team Leader

As the Team leader I am placed into a role of mentoring and ensuring that all members of my team are afforded the same opportunities to advance while also giving the customer the greatest value for their financial output.

2005 – 2009

Systems Engineer

This position has afforded me to work in varying areas of Technology that has led to projects that have impacted on a grand scale such as Telecommunications Companies within The Caribbean, Banking and Financial Institutions within the Caribbean and Oil and Gas Related Companies within the Region.

2004 – 2005**Technical Engineer**

This position deals with all aspects of Telecommunication as it relates to Information Technology. The total inter-connectivity of an organisations mission critical areas that impact on the daily flow of business.

- My experience in the Field of I.T. and I.T. implementation has given me the opportunity to help the organisation to achieve R.O.I.
- I have set up internal on camp DSL type services through standard PaBX as well as Microwave and Radio.

1996 – 2004**Manager**

This Company, self-owned, took care of all needs of the customers from Photocopying to Word Processing and Graphic Arts. Accomplishments include the successful typesetting of books for Educational purposes and Newsletters

Milestones

- 1.1. **2023 – N.G.C. – Server Migration – Trinidad and Tobago** - Currently working on the subject customer consult for datacenter infrastructure and services.
- 1.2. **2023 – GORTT – Infrastructure Refresh – Trinidad and Tobago** - Currently working on the subject customer consult for datacenter infrastructure and services.
- 1.3. **2022 - M.I.S.T. - Consultancy – Barbados** - Currently working on the subject customer consult for datacenter infrastructure and services.
- 1.4. **2022 - N.I.B. Soft-Solution- Trinidad and Tobago** - Designed and provided B.O.M. for on-prem infrastructure.
- 1.5. **2022 – Egov – Jamaica** - Designed and provided the B.O.M. for phase 2 of the Project.
- 1.6. **2022 - Climate Research Project – Barbados** - Designed and provided the B.O.M. for phase 2 of the Project.
- 1.7. **2022 – Planning Institute of Jamaica** - Barbados - Designed and provided the B.O.M. for phase 2 of the Project.
- 1.8. **2022 - Climate Research Project – Barbados** - Designed and provided the B.O.M. for phase 1 of the Project.
- 1.9. **2021 - Ministry of Social Services** - Designed and provided B.O.M. for onprem infrastructure.

- 1.10. **2019-2021 – C.X.C.** - Designed and supported to implementation the evolution of C.X.C.'s legacy virtual environment to a Hyperconverged Infrastructure solution across two (2) island states with the ability to utilize Stretch-WAN technology for highly available systems and fault Tolerant functionality.
- 1.11. **2019 – GoRTT** – Designed the NetBackup Backup solution for legacy integration, to backup the Exchange and Active Directory servers to ensure coverage and viability of the data.
- 1.12. **2018 - N.G.C.** – Designed and Implemented a Commvault Backup and Recovery solution as well as orchestrated the running of a Disaster Recovery Work Flow to facilitate Data Protection and Validation.
- 1.13. **2017 – CLICO** – Implementation of Veeam Backup Solution to replace aging architecture housing ArcServe.
- 1.14. **2017 – CLICO** – Implementation of Veeam Replication on Geo-WAN locations for Warm and Hot Disaster Recovery site
- 1.15. **2016 – PLIPDECO** – Successfully deployed customer's entire backup solution to a cloud based backup infrastructure powered by Evault software residing on Fujitsu Caribbean's Tier 3 Cloud I.A.A.S.
- 1.16. **2016 – UWI – Jamaica** – Part of the Design and bid team that won the HPC solution for weather prediction and simulation.
- 1.17. **2015 – CBTT – Central Bank of Trinidad and Tobago** – Successfully designed, bid and won a replication solution based on Veritas Appliances for a backup solution that incorporates BCDR and replication over a WAN.
- 1.18. **2014-2015 – CBVS – Centrale Bank Van Suriname** – Designed, bid and won the Virtual Infrastructure solution that brought the customer's entire environment up to a Converged Virtual Infrastructure Solution.
- 1.19. **2012 – Digicel – B.V.I.** – A repair to a critical system that entails the customer to service their customers. This job was done with time as a factor. I flew into the country and effected the repair in the evening and flew out the next morning.
- 1.20. **2012 – Petrotrin – Solaris 9 Branded Zone Deployment** – A solution to assist in the migration strategy of the customer to move from their current Solaris 9 environment to newer hardware and newer operating system. The solution entailed deployment of Solaris 10 on newer hardware and a Solaris 9 Branded Virtual Zone deployed on this system so that the customer can migrate their current in-house application and have a platform for Sandbox development for upward mobility.

- 1.21. **2012 – T.S.T.T. – Symantec NetBackup 7.1 Automatic Image Replication Deployment** – Total validation of the entire environment and performed the steps to configure Automatic Image Replication to turn both site to Hot Site with Pure Disk replication across the W.A.N. to ensure nearstore capabilities to bring the P.I.T. backups at the closest timed snapshot.
- 1.22. **2012 – T.S.T.T. – Symantec NetBackup 7.1 Deployment** – A solution to have multisite integration into one holistic backup solution to ensure that there is sustainability across the customers newer environment and also bring in a high level of self sustaining backup policies.
- 1.23. **2011 – N.I.B. – Solaris 8 Branded Zone Deployment** – A solution to assist in the migration strategy of the customer to move from their current Solaris 8 environment to newer hardware and newer operating system. The solution entailed deployment of Solaris 10 on newer hardware and a Solaris 8 Branded Virtual Zone deployed on this system so that the customer can migrate their current in-house application and database on Oracle 9i and have a platform for Sandbox development for upward mobility.
- 1.24. **2011 – T.T.S.E.C. – NetBackup 7.1 Automatic Image Replication Implementation** – Total validation of the entire Hot and Cold environment and performed the steps to configure Automatic Image Replication to turn both site to Hot Site with Pure Disk replication across the W.A.N. to ensure nearstore capabilities to bring the P.I.T. backups at the closest timed snapshot.
- 1.25. **2011 – T.T.S.E.C. – NetBackup 6.5.5 to 7.1 Upgrade** – Total validation of the entire Hot and Cold environment and performed the steps to upgrade Server from 6.5.5 to 7.1 and the maintenance patch to 7.1.0.2 and the client upgrades to 7.1 encompassing the Windows and Red Hat Linux 2.6 clients.
- 1.26. **2011 – T.S.T.T. – Tollgrade and JDSU** – Assisted the Team with Production and Secondary Site Build out. This solution comprised a number of Technology levels to encompass the M4000 and the Netra T3-1 and T5220. It brought into play the need for zfs file systems and Solaris 10 zones.

- 1.27. **2010 – Ministry of Trade and Industry – S.E.W. Project** – Implementation utilizing best practice methodology. Total build out of all Sun/Oracle hardware and the implementation of Sun Clusters on six (6) nodes varying from standard Nodal Clusters to advanced Zone Failover High Availability clusters. The solution also included creation of zone containers and the configuration of the NTP and SMTP relays for synchronization. The infrastructure was signed off by Crimson Logic's Engineering Representative as being as per requirements and special cudos were given for assistance with the bringing of the third party applications under the Sun Clustering Infrastructure.
- 1.28. **2010 – Ministry of Trade and Industry – S.E.W. Project** – Creation of the Bill of Materials as well as Subject Matter Expert tasked with development of the solution documentation and implementation of solution, utilizing best practice as a guideline following I.D.B.M.'s methodology.
- 1.29. **2010 – M.O.E. – S.E.M.P.** – Assisted in the testing of the I.A.P. 3 and 4 solutions for the customer that would facilitate the proper failsafe and load balancing so that slow responses or timeouts would not occur.
- 1.30. **2010 – Guyana Telco** – Implemented the First Phase of a broader middleware application that the customer is in the process of implementing. This being the case having to fly in and perform the three (3) day task in one (1) day as well as having the customer evaluate and sign off for completion.
- 1.31. **2010 – Trinidad and Tobago Security and Exchange Commission** – Designed and Implemented sections for the SAN and Backup. The SAN infrastructure comprised of High availability Hitachi AMS2100 with Dual Brocade paths. The backup was Symantec NetBackup Enterprise Solution fibre connected to a SL48 via dual paths through the SAN Fabric.
- 1.32. **2009 – Digicel - Barbados** – Designed High Level Solution for Symantec NetBackup Enterprise Solution to give high availability over multiple sites and give possibility for off island configuration to allow sustained integrity of solution in times of natural disaster.
- 1.33. **2009 – National Insurance Board of Trinidad and Tobago** – Designed high level and Low level solution for implementation of new equipment into their environment. The solution is designed to virtualize their current infrastructure into the new equipment and give customer sufficient time to migrate to a parallel solution running on high revision software.

- 1.34. **2009 – T.S.T.T.** - Sun StorEdge 6920 SAN Dual site Fiber Interconnect –for Data sharing and possible replication. This included configuration of Fabric switches to perform I.S.L. through Dark Fiber over a distance of slightly under 10KM. And configured the SAN to recognize each other and facilitate pass through to host.

- 1.35. **2009 – Ministry of Public Utilities** - Install of Hitachi AMS2100 for bases of their fork-lifted infrastructure. This was to facilitate the Organisations newly designed infrastructure and give a data solid base for securing their files.

- 1.36. **2008 – Digicel** - Hitachi SAN Upgrade - To facilitate expansion past the 20TB limit as well as possible configuration for multi site replication. This project entailed the technical aspects as well as the project manager aspects. The entire project was performed on two (2) S.A.N.'s and came off without a hitch.

- 1.37. **2008 – Colfire** – Implementation of new equipment to facilitate the change out of the current hardware that was E.O.L. This solution also brought with it the opportunity to correct a mistake was made from previous engineers that caused the customer to not know virtual locations from physical locations.

- 1.38. **2008 – T.S.T.T.** – Implementation of a NetBackup Solution for the customers Voice Mail solution. This was to ensure that sustainability was in place so that outages would not occur. The solution was based on Netra 240 as the Media/Master Server and a Sun StorEdge 3511 as the S.A.N. based storage.

- 1.39. **2007 – T.S.T.T.** – Installation and Configuration of Blackberry Resiliency Server residing on a Sun Fire T5220 with ZFS file system container predictive heal and pre-emptive fail notification.

- 1.40. **2006 – T.S.T.T.** - Installation and Configuration of two (2) Sun Enterprise 2900's for the core billing and connectivity systems. This was done with Solaris 10 and utilized connectivity from a Sun S.A.N. to facilitate capacity planning.

- 1.41. **2005 – Ministry of Education - Jamaica** - Technical Lead for Nortel VoIP Solution. My team comprised of three core engineers and a deployment team, I was tasked with DHCP configuration for the VoIP handsets and also configuration of the Main Operator Console.
- 1.42. **2005 – New Building Society - Guyana** - Technical Engineer for Sun tasked with restoration of services from a Sun Enterprise 3500 that was deemed "Dead". The system eventually came up after a number of the boards were changed and the O.S. was repaired. This entire task took two (2) days over a staggered week.

Certifications

- 6 Sigma – White Belt
- Lean 6 Sigma – White Belt
- 6 Sigma Yellow Belt
- 6 Sigma Green Belt
- Android Kotlin Development
- Python AI/Logical machines
- Python Big Data Analytics
- React Full Stack
- React Native Developer
- Flask and Python Full Stack Development
- Django and Python Dull Stack Development
- Python Data Science
- Dell Storage Protection Architect
- Dell Storage Protection Associate
- Commvault Solutions Architect
- Commvault Technical Pre-Sales Engineer
- Commvault Per-Sales Engineer
- T.O.G.A.F. Certification
- SCRUM Master Certified
- SCRUM Developer Certified
- ZEN Server Install/Config/Administer
- Evault Backup as a Service – Cloud Based Backup Solution
- VEEAM Backup and Replication
- VMWARE 6.0 Certified Professional
- Docker Design Engineer
- Kubernetes Design Engineer
- Vagrant Design Engineer
- CI/CD with Ansible, Teraform, Terachef, Jenkins
- Dot Net (C#) Programmer
- Web/Dev(PHP/HTML5)

- JavaScript/Kotlin
- Python 2.7/3.x
- Fujitsu Primergy Entry/Mid/Enterprise
- Fujitsu Eternus Entry/Mid/Enterprise
- Fujitsu Primergy and Eternus Train the Trainer
- Sun SPARC Enterprise Entry-Level/Midrange/ High-End M-Series Servers Specialist
- Oracle Solaris Support Specialist All Hardware Presets
- Symantec Data Loss Protection 11.0
- Symantec NetBackup 6.x - 7.x
- Symantec Storage Foundation 5.1
- Sun Certified Security Administrator Solaris
- Sun Certified Network Administrator Solaris 10
- Sun Certified Systems Administrator Solaris 10 • Sun Certified Systems Administrator Solaris 9
- Cisco C.C.N.A.
- Specialist Microsoft Windows Server 2003, 2008 - Administration
- Microsoft Exchange Basic Troubleshooting
- Hitachi Administration Engineer
- Hitachi Implementation Specialist

Education & Accreditations

1991 – 1994 BSc (Hons) Computer Science **University of the West Indies**

1989 – 1991 GCE “A” Level Studies
Chaguanas Senior Comprehensive School

1983 – 1988 CXC Level Studies
St. Mary’s College

1979 – 1983 Common Entrance Studies
Maria Regina Private School