

## SUMMARY

Dedicated and resourceful IT professional with over 36 years of experience and a proven track record of excellent customer service, innovation and working with large geographically diverse teams. Expertise in the development, execution and delivery of large complex projects.

- Platform design
- Requirements gathering
- Process improvement
- Excellent communicator
- Critical thinker
- Data center optimization (TCO)
- Takes on difficult projects
- Technical writing
- Financial estimates and asset ordering
- Collaborative leader
- Education design / development / delivery
- Capacity and asset planning
- SPARC / Solaris / Linux/ VMware / Dell and HP Intel Servers / c7000 with Virtual Connect / Software Defined Networking

## PROFESSIONAL SKILLS

### Systems Engineer / Infrastructure Engineer

- Tasked with taking IT services and associated server, network and storage infrastructure from lab environment to production ready solutions.
- Worked closely with client sponsors, project managers, application and system engineering teams to bring new and updated IT services to production in highly structured and controlled mobility environment.
- Delivered large complex projects on time through personal project management processes and determined work ethic.
- Developed with server build team streamlined Linux kickstart process that reduced build times for large complex builds from weeks to days.
- Developed with the Network Implementation team first kick-start enabled ESXi implementation in the Mobility network.
- Engineered c7000/VMware solution for Foxstream MDC from concept to production ready status and provided post production engineering support for platform across 5 datacenters.
- Working with Oracle professional services, engineered the first AT&T Mobility installation of 2 Oracle Exadata Database Machines in support of the XDM geo project.
- Working with Oracle professional services, engineered the first AT&T Mobility installation of a ZFS Backup Appliance in support of the XDM geo project.
- Delivered projects that were deemed too complex and difficult by engineering teams to successful completion.
- As part of the STEM team provided “from the ground up” engineering for 492 Dell and HP servers in support of FirstNet STEM, STEM Near Cloud and STEM IMSI Tagging projects across 6 data centers over a period of 18 months.
- 20% to 30% average reduction in project delivery times and costs by performing both lab/development and infrastructure engineering roles.
- Produced documents used by build team to implement new server, storage and network infrastructure in the mobility network.

- Created network planning document for reservation of network switch capacity and connectivity for projects that were not labs driven.
- Provided financial estimates for server, storage and network infrastructure.
- Developed Methods Of Procedures (MOPs) documents to induce change into the production environment by system administration teams.
- 50% reduction in engineering document complexity for implementation teams by managing, updating and creating knowledge base documents for use in implementation guides and MOPs.

### **Data Center Migration**

- Performed like to like SPARC Solaris server, OS and application migration for top tier telecommunications provider as part of Nortel bankruptcy and asset liquidation.
- \$1.45 billion Nortel business unit, 47 applications from 5 Nortel data centers, migrated to like systems in new data center with a less than 96 hour outage window.
- 30TB of data migrated and 2,254 tasks performed by 228 resources on
- Performed both team member and team lead functions for Solaris migration team.
- Provided onsite and remote hardware and operating system support for six months after the migration was completed.

### **Optimization (P2P/P2V/V2V) Assessments**

- Performed Financial Analysis, System Architecture, Capacity/Asset Management and Planning at Sun Microsystems for top 100 private and public sector customer accounts.
- \$2M to \$50M data center capacity/asset planner, financial analysis and architect roles for optimization solutions.
- Consolidated and virtualized solutions for servers, storage, networks and desktops for best practices, operations and disaster recovery solutions.
- Based on individual effort as capacity and asset planner of a Sun Microsystems TCO consolidation team, helped customer identify \$100M+ savings in service contracts for hardware that no longer existed for a large public sector customer.

### **IT Infrastructure Architecture and Design**

- Team lead for multi-tenancy project consolidating servers, tape and disk storage to enterprise platforms. Architectural input for consolidated servers, storage and tape.
- System architecture and lead administrator for Unix team automating system management functions and system availability meeting customer service levels.
- Designed architecture for Linux Cluster system, network and storage infrastructure, Compaq SAN for disk and tape, and backup solution.
- Instrumental in architecture of automating Sun Microsystems Education Remote Lab Data Center (RLDC) processes and foundational state management methodology.
- Cloud services architect for providing solutions at Amazon Web Services for SMBs (Small to Medium Businesses).

### **IT Education Design/Development/Delivery**

- Designed, developed and delivered consolidation and virtualization IT optimization methodology course materials for Sun Education.
- Maintained updates and certification test for curriculum for 4 years.

- Developed new eLearning capacity and asset management courses and latest revision of instructor led training.
- Assisted in development of consolidation and virtualization skill assessment test.
- Designed, developed (all or partial / updates) and delivered course material for the following Sun Education courses:
  - Sun Fire 15K, 25K
  - Sun Fire Mid-Range Servers
  - Sun Fire Mid-Range Fault Analysis Workshop
  - Sun Fire Mid-Range Architecture eLearning course
  - Ultra SPARC IV Architecture and Differences eLearning course
  - Sun StorEdge Resource Management Suite
  - Veritas Volume Manager Troubleshooting
  - Sun Cluster Implementation Service Education
  - M-Series Servers SE Specific Training
  - Creating a Capacity/Asset Plan eLearning course
  - Delivering Consolidation and Virtualization Services from Pre-Sales Through the Assessment
  - Sun ITSP (IT Service Platform) – Internal training development only
- Delivered ITIL foundation and master's courses (v2) for Sun PS education through CCS Inc. and Fox IT.
- Delivered mainframe re-host (Clerity UNIKIX Transaction Processing/UNIKIX Batch Manager) education for Clerity Inc.
- Delivered Sun Cluster 3.X Administration courses
- Delivered Sun M Series Server Administration
- Delivered Sun 7X10 (Amber Road) Unified Storage Administration (Oracle/Sun ZFS Storage Appliance)
- Delivered Sun T3 Storage Advanced Fault Analysis Workshop
- Delivered Sun SunFire midrange and high-end server administration and maintenance courses
- Delivered Exadata Database Machine Administration course
- Delivered Exalogic Administration course
- Worldwide delivery of education courses for Sun Microsystems Education and partners in the USA, London UK, Heimstetten Germany, Singapore Singapore, Tokyo Japan, Sydney Australia and Toronto, Ottawa, Windsor and Calgary Canada.
- Delivered Amdahl mainframe and storage education
- Developed and delivered education for Amdahl's CRS 6400 SPARC Super Server (E10K predecessor).

### **System Administration/Field Engineering/Hardware Maintenance**

- Performed Solaris/SPARC platform migration for Avaya Inc. as part of their acquisition of specific Nortel Inc. assets and maintained servers and storage after migration.
- Maintain web-hosting infrastructure (RHEL/LAMP/PLESK) for Focused Web Inc.
- Maintained Sun Microsystems Education Remote Lab Data Center (RLDC) contract for two years providing system administrator contract labor.
- Performed lead Solaris system administration role at Corio Inc.
- Linux system administrator and architect for Wherewithal Inc.
- Maintained and repaired Amdahl 470 and 580 class mainframes, mainframe storage subsystems in large enterprise public, financial, airline and energy sector customers.

- Maintained Storage Technology mainframe disk, tape and printer subsystems in large enterprise class accounts.
- Maintained and repaired IBM 360 mainframes, disk storage, tape storage, card reader/punch, printer and display subsystems for the US Air Force at Eglin AFB.

## Certifications

- Solaris Administrator
- ITIL v2 Service manager
- Currently in Microsoft Server 2016 MCSA certification training

## Employment History

- |   |                     |
|---|---------------------|
| • <i>Pyramid Business Services, LLC</i> – Principal Consultant                          | <b>Current</b>      |
| • <i>AT&amp;T Mobility</i> – System Engineer / Infrastructure Engineer                  | <b>2013 to 2019</b> |
| • <i>AT&amp;T Mobility</i> – Contract consultant through TekSystems                     | <b>2012 to 2013</b> |
| • <i>Avaya</i> – Contract consultant through InsightGlobal and HP Professional Services | <b>2011</b>         |
| • <i>NorVada Technologies</i> – President / Principal Consultant                        | <b>2009 to 2013</b> |
| • <i>Dynamic Tek Infrastructures Inc.</i> – President/Principal Consultant              | <b>2008 to 2009</b> |
| • <i>High End Solutions Inc.</i> – President/Principal Consultant                       | <b>2001 to 2008</b> |
| • <i>Corio Inc.</i> – Solaris Architect/Lead Unix Administrator                         | <b>2001 to 2008</b> |
| • <i>Wherewithal Inc.</i> – Architect/Systems Administrator                             | <b>2001 to 2002</b> |
| • <i>Sun Microsystems</i> – Educator/Trainer  | <b>1995 to 1999</b> |
| • <i>Amdahl Corporation</i> – Educator/Trainer  | <b>1988 to 1995</b> |
| • <i>Amdahl Corporation</i> – Field Engineer  | <b>1985 to 1988</b> |
| • <i>Storage Technology Corporation</i> – Field Engineer                                | <b>1982 to 1985</b> |
| • <i>US Air Force</i> – Computer Systems Repairman Specialists                          | <b>1978 to 1982</b> |