



# K Rex Consulting

Kenneth Rex Mayfield, RCDD/NTS/RTPM  
krex@krex.net

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Greetings,

My name is K. Rex Mayfield. I am a telecommunications professional and Principal of K. Rex Consulting in Hot Springs, AR. Your professional services in the voice/data/video industry have prompted me to submit my credentials for consideration. I am a senior telecommunications professional (resume attached) with knowledge of all voice/data/video technologies and a strong telecommunications management and a engineering background. I have a solid background in all areas of your business and I feel like I can make a significant contribution.

Briefly, I have held senior management positions for carrier level companies as well as enterprise operations. During my career, I have been involved in projects for 911 centers, hospitals, Transit Authority Police buildings, hospitals, college campuses, state and federal government facilities, etc. I most recently completed the design and project management of an IP Video Surveillance project (500+ cameras) in Little Rock, AR. My experience levels in project management and design include data centers, fiber optics (single mode and multi-mode), wireless networks, horizontal cabling, security systems and video surveillance systems. My background includes outside plant and inside plant.

I also have related experience that may qualify me for certain positions within your organization:

- State Games Director - Louisiana Special Olympics, Recognized by Eunice Kennedy Shriver
- President - Tomball Lions Club, Tomball, TX
- President - Tomball Little League, Tomball, TX
- Speaker's Bureau - AT&T, Houston, TX
- Marketing Chief - Lockeby & Associates, Inc., Architecture & Engineering Firm, Little Rock, AR
- Technical Instructor - AT&T, New Orleans, LA

I have been designing and managing telecom/fiber optic projects in and around Arkansas for the past several years and have firsthand experience dealing with government officials in the following State Agencies:

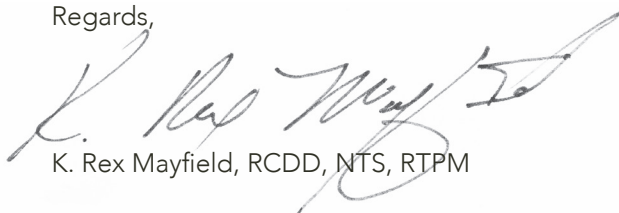
Arkansas Department of Correction  
Arkansas State Police (State Fire Marshal)  
Arkansas Department of Human Services  
Arkansas Forestry Commission  
Arkansas Building Authority

#### Local References:

Steve Hinson	501-683-6922	Hospital Administrator, Arkansas State Hospital
Lisa Bridges	501-686-9910	Director Risk Management, Arkansas State Hospital
Dick Wyatt	501-320-3993	Director Office of Systems & Technology, Arkansas Department of Human Services
Floyd Farmer	501-682-5584	Arkansas State Engineer, Arkansas Building Authority
Velton Daves	501-450-5387	Assistant Director, University of Central Arkansas

Thank you for your time and consideration.

Regards,



K. Rex Mayfield, RCDD, NTS, RTPM



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## **April '01 to Present – K. Rex Consulting, Nationwide**

Consulting and contract services offering voice, data and video telecommunications project management and design.

### **Lockeby & Associates, Inc., Little Rock, AR, Architectural & Engineering Firm**

#### **Arkansas Department of Human Services:**

876 IP camera-video surveillance. Project included six (6) remote site data centers for Video Management Equipment (24 servers and associated equipment) and software management stations.

#### **Video surveillance project for Arkansas State Hospital:**

586 IP camera. Project included a new data center for Video Management system and a back-up location for the Little Rock data center (eight (8) cabinets, 13 servers, 4 10gig switches, 6 UPS and 336 Terabytes of storage).

#### **US Army Arsenal at Pine Bluff, AR (Corps of Engineers):**

10 Gigabit fiber network. Project included 27 sheath miles of single mode fiber optic cable, new Brocade 10 gig switches, 3 new data centers, 5 renovated data centers, all associated data center equipment.

#### **US Naval Air Station Intelligence building, Ft. Worth, TX:**

936 Workstation Cables and Data Center Renovation. Project included multimode fiber drops and Cat 6A copper drops, 10 gig network, phased relocation of full Data Center to facilitate renovations to existing Data Center quarters and then a phased relocation of the full Data Center into the renovated space. This was a top secret network.

#### **Conway Human Development Center, Conway, AR:**

Wireless Network for 34 Building Campus. Project included all necessary Wireless Access Points (WAP), extension of the existing Ethernet network into 13 buildings, multimode fiber cable, Cat 6 cabling to WAPs.

#### **CNX Datacom, Austin, TX, Design/Build Telecommunications Firm**

New Data Centers for Northern Trust Bank at the following locations:  
Dallas, Tucson, Century city, Pasadena and Manila.

#### **Ritter Telephone Company, Jonesboro, AR,**

#### **Competitive Local Exchange Carrier (CLEC)**

#### **New CLEC Central Office:**

Project included fiber optics, class 5 VOIP switch and an OC-12 transport link with the PSTN. Relocated existing Internet Service Provider (ISP) into new CLEC data center – 34 servers and associated equipment, carrier circuits and subscriber dial-up equipment.

#### **VOIP Telephone System for All Ritter Companies:**

#### **Jonesboro, AR, Marked Tree, AR, Jasper, AR**

Disaster Recovery Plan for all Ritter companies: Jonesboro, AR, Marked tree, AR, Jasper, AR. Coordinated many customer network transfers from the existing telephone company into the new CLEC network – project team included customer representatives.



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### *Arkansas State University, Jonesboro, AR*

Architectural review and design of voice/data infrastructure and campus network connectivity for new Bio-Sciences Building and the Bio-Sciences data center.

### *Pomeroy IT Solutions, Memphis, TN, IT Sales and Wiring Firm*

Provided RCDD and Project Management services for closing a \$2.3 mil. Voice/Data/Video project for the University of Tennessee, Memphis Health Sciences Center.

### *NEC BNS, Inc., Dallas, TX*

Project Manager for Humphreys County School District E-Rate project. \$7.0mil project providing all equipment and labor for voice, data and streaming video systems in all schools within Humphreys County Mississippi. Project included 3 PBXs, 400+ desktop PCs, video network switch, Ethernet switches, fiber optics, system servers, PSTN transport links.

### *C3 Communications, Austin, TX, Long Haul Fiber Optic Company*

Program Manager for the North Ring project – Project Management of an Alcatel equipped OC-48 ring encompassing Texas, Oklahoma, Arkansas, and Louisiana. Program Manager for the collapsed ring project between Tulsa and St. Louis. Project management of a Nortel LH1600 OC-48 collapsed ring consisting of 13 sites, three of which were DWDM equipped with Cisco 15454 terminals. Program Manager for the collapsed ring project between Little Rock and Louisville. Project management of a Nortel LH1600 OC-48 collapsed ring consisting of 11 sites, four of which were DWDM equipped with Cisco 15454 terminals.

## **Employment History**

### *January '00 to April '01*

#### *COLO.COM, Texas, Senior Area Manager – Southeast United States*

Performed mid-level managerial functions in the management of all Southeast US colocation sites for COLO.COM. Each site consisted of 35K square feet of telecommunications and network facilities (Data Centers) for IXC, ILEC, & CLEC operators. Managed a \$450,000 per month operation budget and supervised 42 professional and technical personnel across the Southeast United states.

### *October '95 to January '00*

#### *AIM Funds, Houston, TX, Network Manager*

Responsibilities included all voice, video and data telecommunications. Responsible for technical design and support of eight (8) call centers, three Voice Response Systems (VRU), global wide area network (WAN), electronic commerce group (Internet), trade floor telecommunications (feed services and IPC turret systems) and local area networks (LAN). Managed 174 toll-free (800) numbers, multiple interexchange carriers (IXC), multiple local exchange carriers (LEC), virtual private network (VPN), remote access system (RAS) and two Internet Service Providers (ISP). Hardware platforms supported as follows; NORTEL Opt. 81 PBX, Meridian ACD, Periphonics IVR, CISCO routers, AS5300 remote



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access server, Checkpoint firewall, Newbridge bandwidth managers, Meridian VoiceMail, Genisys CTI server, Aspect ACD, SwitchView telemanagement system.

Services Managed:

- Dial, TCP/IP, WAN, LAN, ATM, Frame Relay, VPN, IVR, DS3, T-1, DS0, ISDN (PRI/BRI), SONET OC-3/OC-12.

*May '91 to October '96*

*Metropolitan Transit Authority, Houston, TX*

Network Architect/Manager (Consultant to Employees)

Responsibilities included the Bid Specifications (RFP), Project Management, and Acceptance phase of all telecommunication related projects and the management of the LAN and MAN.

*January '84 to May '91*

*Interlink Communications Inc., Houston, TX President and COO*

President and COO with P&L responsibilities of a voice and data networking company that provided engineering, installation and maintenance of copper and fiber networks. Interlink maintained twenty-six (26) contracts with local companies for provisioning telecommunications services (voice, data and video hardware platforms) for campus type networks. Interlink's customers included universities, chemical plants, law firms, and computer manufacturing firms. Interlink installed video networks for high rise buildings and parking garages for use with personnel safety and security systems. Interlink employed a work force of eighty-six (86) technicians and workers. COO responsibilities included management, direction and supervision of engineers, project leads and installation technicians from inception to acceptance of large network projects. Conducted Proposal Presentations to customers and potential clients. Trained sales personnel in technical aspects of the business. Negotiated and implemented large contracts with network users to provide voice and data distribution, switch installation, and Centrex Plexar networks.

*February '70 to January '84*

*AT&T – The Bell System, Various Locations,*

*District Manager - Outside Plant Construction*

- Management Assessment Center Review Staff
- Staff Supervisor responsible for District Audits in Quality and Safety
- Training School Instructor – Splicing, Installation, Test Board
- First Level Supervisor – Line Crew Supervisor and Contract Supervisor, Splicing Crew Supervisor

## Related Qualifications

- BICSI - Registered Communications Distribution Designer (RCDD) #1304
- BICSI – Certified Network Transport Specialist #9603 (NTS)
- BICSI – Registered Telecommunications Project Manager (RTPM)
- Advanced skill level with the following software; MSOffice, MS Project, ABT Workbench - Project Management, VISIO Enterprise 2000, AutoCad.
- Advanced skill level in the following protocols: TCP/IP, IPX, XNS, DECNET, LAT, and SNMP



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## Education

1982	St. Edward's University	Business Management
1987	SWBTC	Fiber Optics
1989	Texas A&M University	Data Communications
1992	DEC Training	Pathworks
1992	DEC Training	VAX System Manager
1993	AT&T Paradyne	T 1 Multiplexers/NMS
1993	American Research Group	UNIX Systems
1993	American Research Group	TCP/IP Networking
1994	CISCO	Software Configuration for Routers
1994	American Research Group	Protocol Troubleshooting
1994	Optical Data Systems	SunNet Manager/Internetworking
1995	Phoenix Data Systems	Qubix Communications Server
1996	Saratoga	SNMP
1996	Saratoga	SS7 Switching
1996	Network General	Sniffer (Protocol Analyzer)
1997	TTC	T-Berd 224 T-1 testing
1997	TTC	T-Berd 310 DS3/Sonet testing
1997	TTC	FireBerd 6000
1997	TTC	FireBerd 5000 WAN Analyzer
2000	TTC	T-Berd 2310
2001	BICSI	Designing LANS and Internetworks
2001	BICSI	LAN Specialty Review Class
2002	BICSI	Project Management
2002	BICSI	Advanced Project Management

## Affiliations

Building Industry Service Consulting International (BICSI)  
Gigabit Networking Committee  
Texas ATM Strategic Alliance (TASA)  
Southwest Communications Association (SCA)  
Technical Advisory Committee – Arkansas State University  
FOCUS - Southwestern Bell Telephone Company Users Group  
DSUG – AT&T Data Services Users Group  
GeekMeet – DFW Area  
State Games Director – Louisiana Special Olympics  
Project Management Institute (PMI)  
Telecommunications Project Managers Association (TPMA)