


Evan Wagner

Chico, CA 

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Summary

I bring a strong balance of knowledge & experience in the areas of Telecommunications Outside Plant (OSP) Engineering (Fiber & RF Network Design), Drafting (AutoCAD & Google Earth), GIS, Data Integrity, & Project Management.

This experience can be applied to the Engineering, Asset Management, Land Management, Data Integrity, & Network Documentation of other network infrastructures such as Power, Gas, Cable TV (CATV), Fiber, Telephone, Water, Landbase, and/or Roadways.

This includes nearly 18 years of CATV field experience, 17 in some technical capacity including the positions of Head-End Tech, Sweep Tech, Cumulative Leakage Index (CLI), Power Supply Tech, Service Tech, Proof of Performance (PoP), and everything in between. This overlaps with over 20 years in Network Engineering, including Fiber & RF Network Design, Engineering Standards, AutoCAD & SpatialNET System Configuration/Administration, CAD-GIS Migration, Project Management, Work-Flow Processes, and the Capture & Documentation of Network Assets, commonly known as system or network maps.

I am confident I can bring all these skill sets, talents, and quality of workmanship to any network infrastructure industry.

Skills

- Network Engineering & Drafting (CATV).
- CATV Engineering / Drafting / Management Experience.
- Fiber Optic, FTTx & Radio Frequency (RF) Engineering & Knowledge.
- Telephone Fiber Design Experience.
- Project Management & Work-Flow Processes.
- Network Engineering Standards.
- Network Naming Standards.
- Telecommunication AutoCAD/GIS Standards & Documentation.
- Data Integrity Management.
- Asset Management.
- Oracle SQL Code / Script Writing Experienced (SQL Navigator).
- AutoCAD Map - Power User / Admin.
- AutoCAD Training Experience.
- Google Earth Route Creation & Management.
- SpatialNET - Power User / Admin.
- Lode Data Experienced.
- Specialized Engineering/CAD/GIS Software Development & Administration including.
 - Lode Data Drafting Assistant Administration,
 - @MApp Development & Administration,
 - SpatialNET tools, including the SpatialNET IDM module (Inside Data Manager).
- Microsoft Office Power User.
- CATV Field Experience / Knowledge, Outside Plant (OSP) & Inside Plant (ISP).
- Highly detail oriented.

Job History

AUGUST 2018 – PRESENT

Telecommunications Engineering Consultant / Chico, CA

Fiber Route Design (Verizon One Fiber).
Project Management for GIS Field Data Collection.
Telecommunications Engineering Support.
SpatialNET Support.

Currently I have been providing Engineering, Drafting, Project Management, & SpatialNET consulting services to various clients on multiple projects.

This has included Project Management for a proposed Fiber Network Expansion using a proprietary GIS data collection platform while overseeing Field Data Collection fielders in multiple regions. In this role I reviewed a client provided (Verizon One Fiber) High Level Design (HLD), in Google Earth format making any necessary engineering/route changes. I then defined/built Field Data Collection jobs within my client's proprietary GIS platform. I managed/assigned those jobs to the fielders for Field Data Collection, supported/trained those fielders, QC'ed their collected data, and provided the finished, acquired field GIS data to the client for final engineering, drafting, and permitting.

In another role I provided SpatialNET consultation services to another CATV contracting firm. In this role I reviewed their client's requirements and then defined the SpatialNET requirements for both the OSP & IDM modules within the SpatialNET software platform for a CAD migration project.

JUNE 2010 TO JULY 2018

Telecommunications Engineering Consultant / Comcast, Philadelphia, PA

RF & Fiber Engineering & Drafting.
CAD-GIS Project Management. (National CAD to GIS Migration.)
CAD-GIS-OSP Standards & Documentation.
AutoCAD Administrator.
SpatialNET Administrator.
Data Integrity.
Asset Management.
System Administration & Support.

March 1999 – July 2018:

In the area of CAD-GIS Standards I was responsible for the defining, documentation, management, support, & testing of all Comcast Corporate AutoCAD block and layer definitions.

For the years 2010 – 2015 I was the primary consultant to Comcast Corporation for their national "eGIS" Migration Project of AutoCAD, CAD-GIS, Engineering, Project Management, & Workflow Processes. This was the migration of all existing system network maps nationwide into the third-party GIS platform of SpatialNET. This included the migration of original "Source Files" in the formats of AutoCAD, Microstation, Lode Data, CaddStar, BentleyComms, and Excel spreadsheets.

At the completion of the national migration, 2016 – 2018, my role was primarily focused on Comcast post-migration AutoCAD / SpatialNET support (including the IDM module), with an emphasis on RF & Fiber Equipment Dictionary definitions via SQL Scripting, CAD-GIS Testing/QC, Asset Management, and System Administration.

MARCH 1999 TO JUNE 2010

Telecommunications Engineering Consultant / Comcast, Seattle, WA

RF & Fiber Engineering & Drafting.

Project Manager & Support Software Development of a Rules Based Drafting Platform, @MApp, which ran on top of AutoCAD Map with a database rules engine behind it.

Administration, Management, & Maintenance of the company's AutoCAD CAD-GIS Standards & Drafting Practices.

Defined a 1000MHz Node+0 Engineering Specification for the Comcast Seattle region, known as Fiber Deep Network Architecture (2009).

Primary duties included RF & Fiber design & drafting along with Project Management & Support as previously listed. Additionally, I was tasked with the Management & Maintenance of the company's CAD-GIS Standards & Drafting Practices, within AutoCAD & @MApp.

Other minor duties during this time included QC/File Management of received CAD drawings & engineering design, the documentation & communication of various regional polices or standards as needed to name a few other items.

SEPTEMBER 1998 TO MARCH 1999

Supervisor of MDU Design & CAD-GIS / TCI, Seattle, WA

Supervised a staff of 5 in the Engineering Upgrade of all Multiple Dwelling Units (MDU) in the Puget Sound 750/860MHz upgrade project.

Administrator in the Receiving and Management of all AutoCAD & Lode Data System Engineering files (file management) for the upgrade project.

RF & Fiber Engineering & Drafting.

JULY 1997 TO AUGUST 1998

Self-Employed CATV Engineer / Drafter / Chico, CA

All aspects of CATV Network Engineering / RF & Fiber Design / AutoCAD Drafting, / & System Walkout. Completely Walked-Out, Drafted, and Engineered Burney, CA (38 miles of plant) and Susanville, CA (80 miles of plant) for Century Communications.

Drafted all the Landbase for both communities. (No purchasable, digitized Landbase at the time.)

Published all system maps in a protected web-based format making them available to the client online.

Cable TV Field Experience

MARCH 1982 TO MARCH 1997

Sweep / Head-End Technician / Chambers Cable, Chico, CA

Sweep and maintain all trunk & distribution lines throughout 6 different communities (6 years).

Head-End Technician (2.5 years).

Maintenance of AML Microwave receivers.

FCC Proof of Performance (POP) Testing & Maintenance.

Cumulative Leakage Index (CLI) Testing & Maintenance.

Power Supply Maintenance.

Service Technician.

In-House System Designer (last 10 years) of all new sub-divisions, plant extensions, & local rebuilds.

OCTOBER 1979 TO FEBRUARY 1982

Sweep Technician / United Cable TV, Hayward / San Leandro, CA

After 6 months as an Installer I was promoted to Service Technician.

One year later I was promoted to Line / Sweep Tech where I swept all distribution lines in the San Leandro & San Lorenzo systems.

Education

DECEMBER 1998

ENGR 108 / Pierce Community College, Puyallup, WA

Advanced AutoCAD.

MAY 1998

DFT 32 / Butte College, Oroville, CA

Intermediate AutoCAD.

DECEMBER 1997

DFT 12 / Butte College, Oroville, CA

Beginning AutoCAD.

MAY 1997

CSCI 60 / Butte College, Oroville, CA

Microcomputer Applications.

JUNE 1978

Livermore High School / Livermore, CA

Majors: Mathematics, Electronics, Drafting, & Surveying.

Sports: Lettered in soccer. Additionally, I played baseball and football.

Certificates

JANUARY 2005

SPATIALNET FIBER MANAGEMENT / SPATIALInfo

APRIL 2000

AUTODESK MAPGUIDE 4 – TECHNICAL / Autodesk

OCTOBER 1999

AUTOCAD MAP 4 – ADVANCED / Autodesk

MARCH 1993

ADVANCED TECHNICIAN / National Cable Training Institute (NCTI)

JUNE 1992

SYSTEM TECHNICIAN / National Cable Training Institute (NCTI)

References

Curtis Hannah / Pixel Softek - Senior Director of Innovation & Solutions

Philadelphia, PA
Cell: (610) 291-7714
Email: curtishannah@pixelsoftek.us
Former Corporate Director of Engineering & Operations with Comcast.

Bill Polis / Comcast - Senior Manager, Access Networks

1306 Goshen PKWY
West Chester, PA 19350
Cell: (240) 372-8219
Email: Bill_Polis@comcast.com

Sean Bristol / I Vision Group - Executive VP, Solution's Architect

Denver, CO
Cell: (714) 698-9591
Email: sean@sbristol.com
Former Senior Director HFC Construction - Charter, Denver, CO.
Former Senior Director Planning, Design & Construction - Comcast, Seattle, WA.

Larry Thurmond / Retired – Former Construction Manager

Lynnwood, WA
Cell: (206) 817-7221
Email: lthurmond2254@gmail.com
Former Network Operations Manager - Comcast, Seattle, WA.

Thomas Yuen / Apex Advanced Technology – Software Programmer

Atlanta, GA
Cell: (678) 361-5208
Email: thomas.yuen@ats-worldwide.com

Activities / Interests

Slow Pitch Softball:

I have enjoyed playing Men's softball for the past 20+ years.
I am primarily a middle infielder with time at both Shortstop and 2nd base.
I've played in both recreational leagues and church leagues over those years.

Camping / RV'ing:

I have a medium size camp trailer; my wife calls it our "B&B on Wheels".
We enjoy vacationing with it in the warmer months in the mountains of Northern California, wishing we had the time to explore other areas.
On these trips we enjoy hiking, biking, lake kayaking, bird watching, and of course relaxing.

Trout Fishing:

I have my California Lifetime Fishing License.
I enjoy high country stream / river trout fishing in both the Cascade & Sierra Nevada Mountains of Northern California.
I both fly fish & drowm worms as my primary methods of take.

Volunteer Work:

For 14 years (1995 – 2009) I managed or co-managed my church softball team.
Sep 2019 – Present:
I administrate my softball leagues website. It's on a predefined platform that I simply operate within.