

Brian E. Webster

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Education

Excelsior College of New York, A.A. Liberal Arts Science, Projected completion June 2025

Major: Electricity and Electronics

U.S. Naval Reserves 1984 - 2004

Job Title: Chief Gas Turbine Electrician - Retired

Major Job Duties: Electronics/Communications operations and repairs. Senior Enlisted Manager

Worcester Central School, Regents Diploma, 1984

Major: Auto Mechanics

Minor: Business management with emphasis in computing and electronics

Employment

Regulatory Solutions Inc. – President – July 2022 to Present

Regulatory compliance and RF engineering company focused on FCC Broadband Data Collection program compliance. Primarily focused on serving the Wireless Internet Service Provider industry. The company developed an RF propagation tool that provides actual point to point RF path studies to fixed broadband service address locations using high resolution clutter data as well as 3 dimensional building information to ensure accurate path studies and speed deliverability.

Brian Webster Consulting/Wireless Mapping Inc. – President/CEO – June 2002 to Present

Technology contractor and consultant specializing in telecommunications systems design including Radio Frequency engineering, Geographical Information Systems (GIS) mapping, high level detailed performance and market analysis, Wireless Internet System Provider systems, Cellular/PCS network design, public safety radio, testing and planning. Conduct microwave and data network planning and provisioning.

Partnership for a Connected Illinois- Telecom Project Coordinator-Illinois Broadband Mapping Program

December 2010 – May 2015

Contractor currently tasked with coordinating and managing all data collection, GIS technicians and work products relating to the National Broadband Map for the state of Illinois. Activities include interfacing with broadband carriers of all types to ensure their high speed internet service areas within the state are accurately represented for the National Broadband Map program run by the NTIA. Other duties include supporting E-Team programs by producing reports and maps as they relate to the supply of high speed internet. Co-Author of broadband supply reports .

EarthLink Inc. – SR RF Engineering Manager – January 2007 to November 2007

SR RF Engineering Manager for EarthLink Municipal Networks. Chief RF Engineer Responsible for the design and approval of citywide wireless Internet systems including the City of Philadelphia. This is one of the world's largest wireless mesh network deployments. Supervised numerous engineers to achieve this goal, which included contractors from Motorola. Developed a process of automated mesh network planning to achieve proper signal coverage while maintaining the minimum amount of equipment required to achieve coverage objectives.

Demand Communications Inc. – Corporate Manager – February 2002 to June 2002

Corporate director for telecommunications construction and manufacturing company. Brought in to turn finance and operations around. Responsible for all company activities including operations, personnel, and cash flow. Was able to affect an increase of by over 14% net profits of previous fiscal year, within 90 days. Brought cash flow to a point where payables were current to 30 days from an average of 120+ days. Trained all operations members to better manage projects including logistical improvements and materials handling. Put policies in place to better develop current labor talent pool.

Wavelink Engineering – RF Engineer – September 2001 to February 2002

RF Engineer for Illinois PCS (a Sprint PCS affiliate). Designed CDMA PCS network using Planet RF tool. Expert in compliance issues for FAA, FCC tower registrations, AM tower detune issues and NEPA RF studies. Responsible for compiling complete compliance packages for over 225 sites required to be submitted to Sprint headquarters. Designed database shell in MS Access to work with FCC tower registration files. Experienced in advanced FAA Terps analysis using both Airspace USA software and working with ASAC Inc. Able to file FAA 7460 forms and register towers with the FCC ULS and ASR databases.

Trinity Wireless Towers Inc. (SDS Wireless) – Special Projects Manager – May 1999 to September 2001

Special Projects Manager for a nationwide tower build to suit program. Developed multi-million dollar budgets and project cost forecasts. Conducted audits for quality control and regulatory compliance. FAA and FCC tower registration compliance expert. Trained in conducting advanced TERPS analysis. Developed and maintained timelines for tower site construction. Inspected and evaluated tower properties (and existing RF coverage) for acquisition and made purchase recommendations. Designed basic cellular networks for costing forecasts. Provided liaison and documentation to other tenants of tower sites. Managed build out including surveys, materials, A&E firms, power and telephone companies. Coordinated with clients on items such as punch lists, change orders, and site modifications. Directly supported field crews on all aspects of builds. Troubleshot problems that arose in daily operations. Computer skills include networking setup and configurations, MS Office suite, Windows NT Server, Proxy Servers, Mapping, GIS and mapping, MS Outlook, network and desktop computer management. Extensive experience with GPS systems and vehicle tracking networks.

SDS Wireless Inc. - Project Manager - September 1998 to May 1999

Assistant Director of a wireless tower build to suit project in Michigan and Ohio with over 200 sites. Led and assisted in process development. Managed a team of 11 zoning/site acquisition managers including weekly site tracking and updates. Developed manpower requirements based on workloads. Implemented company electronic site acquisition package. Led a team that developed company nationwide database and site tracking system utilizing Microsoft Access and MapInfo. Performed detailed FAA analysis. Maintained project network server and computer systems using Windows NT, Access, and Outlook.

Cellular Realty Advisors Inc. - Site Acquisition Specialist- February 1997 to September 1998

Worked directly with RF engineers, zoning, and construction managers to identify tower sites for Cellular and PCS carriers that could be zoned, leased and built. Experience in most major northeast markets. This included existing structures, rooftops, and new tower builds. Negotiated master lease agreements, coordinated FAA/FCC filings and organized construction team visits. Top performer routinely called upon to solve problems in difficult search areas. Responsible for training new site acquisition personnel

Tri-County Communications Inc.- Sales Engineer- May 1990 - November 1996

Trained by Motorola for radio network design and upgrades for two-way radio, paging, ESMR, mobile data, SCADA, and cellular systems. Designed multiple communication centers and wireless data networks. Negotiated tower site leases, tower acquisitions, and tower space rentals. Wrote specifications for competitive bids. Processed and coordinated FCC licenses. Agent for company owned paging service. Worked directly with local governing boards and technicians in implementing and installing systems. Experienced with drive tests and Motorola RSS software.

U.S. Navy Reserves – Chief Gas Turbine Electrician Specialist- January 1984 – December 2004

Senior enlisted manager and training officer for Mobile Command and Communications Unit. Operated, maintained, and repaired electrical and interior communications equipment aboard ships, mobile and shore based communications systems. Trained in all aspects of operations including: communications, fire fighting, navigation, and engineering. Completed law enforcement training courses. Instructor for command equal opportunity program.

Amateur Radio Operator- December 1989 - present

Operate, design and maintain amateur radio communication systems including wireless data, antennas, tower sites, and voice networks. Designated by Amateur Radio Relay League as a District Emergency Coordinator for a four county area. Coordinate with county, state, local government agencies, and the National Weather Service officials for communications in emergencies and disasters. Presided over and directed meetings according to parliamentary rules. Direct emergency and disaster communication networks. Act as liaison to local government agencies and the Red Cross. Compile and delegate resources available in emergencies.