Network Infrastructure Engineer

CTC Technology & Energy
Kensington, MD 20895

CTC Technology & Energy (CTC) is an established consulting firm that offers a challenging work environment combined with reasonable hour expectations, conscientious COVID safety and an emphasis on work-life balance. To build our growing team, we seek a highly motivated and self-reliant **Network Infrastructure Engineer.**

The following factors matter to us:

- You are self-directed, highly motivated, and love your work;
- You value independence and quality of life, and being treated with respect by your employer and colleagues;
- You seek a challenging, exciting job and co-employees (and customers) with the same vision;
- You are interested in collaboration and accomplishment;
- You want to work hard while in a fast-paced, but reasonable environment.

Summary

The Network Infrastructure Engineer will work with a team dedicated to creating comprehensive engineering solutions for clients, including Layer 1 through 3 infrastructure planning, design and assessment; estimation of capital and operational costs; and determining of risks and advantages of different technical approaches. The Network Infrastructure Engineer is required to have a working knowledge and experience with wireline and wireless technologies, must have strong writing and presentation skills, must work well in a team setting, and must be passionate about bringing broadband to the world.

Desired Skills and Experience

The following experience for this position matters to us:

- You have experience with physical networks, either with a telecommunications provider, wireless provider, cable company, government-run facilities-based network, or facilities-based internet service provider;
- You have at least five or more years of network engineering experience;
- You have experience with assessment, design, or implementation of data voice, and video networks utilizing fiber optic, copper, or wireless communications systems;
- You have bachelor's and ideally a master's degree in engineering, computer science, information technology or a related field; PMP certification is preferred;
- You have a CCIE, CCSP, CCNP or similar level of certification, or work experience demonstrating comparable ability;

- You have experience with fiber optic network theory and testing;
- You know ITIL compliant-practices or are ITIL-certified;
- You have five or more years of recent experience in the wireless industry with wireless network engineering;
- You have experience with planning, designing and overseeing integration of communications networks.

This position will provide you the opportunity to:

- Develop novel solutions to provide broadband access to unserved rural and urban areas in the U.S. and abroad
- Develop multi-million-dollar system-level fiber and wireless network designs for states, cities, counties, school districts, public housing authorities, and nonprofits such as healthcare institutions;
- Design cutting-edge mmWave and 5G networks and provide engineering reviews of proposed private wireless deployments on behalf of public clients;
- Potentially develop machine-learning software to help plan and design networks;
- Manage projects over weeks or months and interact with public sector managers and CIOs as you attend or lead client meetings;
- Prepare capital and operating cost estimates for network deployments;
- Develop bill of materials for physical plant and electronics and review construction drawings and relevant permit applications;
- Prepare project deliverables in collaboration with CTC's interdisciplinary team including editors, GIS engineers, and graphic artists;
- Assist with training and developing team members.

About this company:

CTC is a vibrant, fun, exciting workplace with some of the most complex networking projects in the country. These include metropolitan area fiber networks, nationwide fiber access architectures, developing national broadband policies, planning the implementation of the FirstNet public safety wireless broadband network, and deploying new generations of wireless technologies. Our mission is to bring broadband to the world.

We want to hire superstars who do amazing work.

We hire only people who meet our standards for both seriousness of purpose and commitment. You must show us that you have high integrity, ability to meet deadlines, maturity, and flexibility. And we'll expect you to provide evidence of appropriate presentation and writing ability.

Since the beginning of the COVID-19 pandemic, our office has been closed and employees have done their work from home or performed outdoor field inspections. We are focused on employee health and are not planning to reopen our offices until the end of the pandemic. If you are the right fit for us, we can offer you unique work situations—if you need flexibility in hours, we can accommodate that. All options are possible for outstanding, motivated employees.

If you are interested in this vision of the workplace and in joining an amazing team of motivated engineers and project managers, send us your resume and salary history.

Competitive salary and benefit package/Equal Opportunity Employer.

Background: CTC Technology & Energy (CTC) is an established, 30-year old, growing independent communications and IT engineering consulting firm. We work at the highest levels on cutting-edge communications networking projects for public sector and non-profit clients throughout the U.S. Current projects include long-term fiber optic and wireless regional communications interoperability initiatives in the Washington, DC area, funded by the U.S. Department of Homeland Security, design and implementation of wireless networks, engineering design and business modeling and project oversight for broadband networks, and advising the federal government.

We offer comprehensive expertise in the following broad, evolving areas:

-Designing and implementing metropolitan area fiber optic and wireless networks
-Designing and optimizing network architecture
-Coordinating the planning and design process with policymakers and first-response professionals
-Developing public/private partnerships in broadband communications
-Public Safety Wireless Communications
-Homeland Security Planning and Networking
-Intelligent Transportation Systems (ITS)/Traffic Communications
-Broadband Communications Networking
-Engineering Analysis for Siting of Wireless Communications Facilities
-Communications Network Performance Evaluation

Location: Kensington, MD with clients nationwide

- Compensation: Salary based on experience and education
- Principals only. Recruiters, do not contact
- Please, no phone calls about this job
- Please do not contact job poster about other services, products, or commercial interests

Please submit resume to jobs@ctcnet.us .