Job Title: Senior Software Engineer

Location: Columbia, MD

Reports To: VP Software Development

About LTN Global:

*LTN® Global’s leading media technologies empower content producers and distributors to create, acquire, transform, deliver, and monetize content at scale. Built on the world’s fastest and most reliable IP multicast video network, the company’s digital media ecosystem supports uniquely unified, optimized, and automated end-to-end workflows that bring customers greater efficiency, agility, and creativity in delivering more content to more viewers. No matter where customers enter this ecosystem, modular solutions and services from LTN add value and streamline each stage in the digital and linear video chains, from any source to every screen. Powered by LTN, customers can deliver the most relevant content and ultimate user experiences on any viewing device and platform, anywhere.*

Position Summary:

In this position, you will focus on developing features, tools, products, and systems that help enable LTN deliver broadcast-quality video services to its customers. You will be a part of LTN Transport’s development team helping lead the design, implementation, testing, and maintenance of our software systems.

Essential Duties/Responsibilities:

* Determine feasibility through problem definition, requirements gathering, analysis, proposing solutions and solution development
* Determine technical specifications and help lead the design, development, and maintenance of software
* Develop and maintain features, tools, products, and systems necessary to help power a multi-continent network running highly available services
* Develop services and software with a focus on correctness, reliability, performance, security, manageability, and observability
* Document solutions by developing clear and precise documentation, diagrams, code comments, and code

Requirements:

* Bachelor’s degree
* Experience designing, developing, integrating, testing, and maintaining production systems
* Very strong skills in C
* Python development and testing
* Experience in programming for distributed environments running across networks
* Experience in Linux environments and tool chains (e.g. – make, gcc, gdb, valgrind, etc.)
* Experience with common network services and protocols such as IP, DNS, HTTPS, NTP, etc.
* Ability to share knowledge and teach other team members
* In-depth and proactive communication and documentation skills
* Initiative and ability to work independently, and as part of a team
* Ability to use a wide variety of open source technologies

*Additional Preferred Qualifications/Skills:*

* Bachelor’s, M.S., or Ph.D. in computer science, computer engineering, I.T., or related fields
* Experience with distributed systems such as messaging middleware
* Experience with RPC and REST APIs
* Experience with backend web development
* Experience with relational databases, SQL, ODBC, etc.
* Experience with soft or hard real-time systems
* Experience with IPv6
* Experience with scripting languages such as Bash and Shell
* Experience with Elastic Search and Kibana (ELK) stack
* Experience with configuration management tools such as Puppet
* Experience with orchestration tools such as Ansible, Chef, etc.
* Experience with virtualization, containerization, Kubernetes, etc.
* Experience with Linux system administration

Supervisory Responsibility: N/A

Work Environment:

* Prolonged periods sitting at a desk and working on a computer
* Moderate noise (i.e. business office with computers, phone, and printers)
* Travel – none
* Monday to Friday schedule