Company: Charter Communications (https://www.charter.com/browse/content/home)

Address: 5133 W. Terrace Drive, Suite 300, Madison, WI 53718

Degree/Experience Desired: Bachelor/Master/Ph.D. in Computer Science, Electrical Engineering, or Physics

Hours per week: 40 (Full Time Position)

Apply: Before September 30, 2014

JOB TITLE: Principal Engineer I (The job posting number is 1401723)

JOB SUMMARY

The candidate will be responsible for IPControl integration with Charter OSS/BSS systems to establish the system as the Source of Truth for Charter IP address allocation and assignment.

ESSENTIAL FUNCTIONS OF THE POSITION

Actively and consistently support all efforts to simplify and enhance the experience of stakeholders who need IP addresses to run business and/or grow customer base

Lead projects to replace IPAM for all IPv4/IPv6 blocks allocation, coordinate with CMTS team to decommission IPUT, and eliminate manual effort feeding ARIN SWIP process with IPControl.

Lead IPControl system integration with Charter OSS/BSS such as CNR, Granite, DRUM, HomeWorld, T3 and Cisco Multicast Manager. Work with Charter provisioning team for integration with DHCP and DNS. The task includes collecting requirements and authoring detailed specification, and manage the implementation.

Define best practices of manage IPv4 and IPv6 address allocation and consumption

Lead the development and documentation of technical standards

Works on projects/systems/issues of medium to high complexity surrounding IPControl planning, configuration and optimization

Provides tier support across organizations
Works on one or more projects as a project team member, occasionally as a project team lead

**PREFERRED QUALIFICATIONS**

**Skills / Abilities and Knowledge**

Ability to effectively communicate with colleagues, customers, vendors, in person, on the phone, and by written communications in a clear, straight-forward, and professional manner

Proficient in LINUX, Perl, MySQL Database

Familiar with TCP/IPv4 and IPv6 protocols

Experienced in OSS (Operation Support System) and/or BSS (Business Support System)

**Education**

Bachelor or Master Degree in Computer Science, Electrical Engineering, or related field or equivalent work experience

Professional level Network Certification or equivalent work experience

Industry and vendor specific certifications and training (CCIE, CCNP, SCTE)

**Related Work Experience**

System and Network experience

**WORKING CONDITIONS**

Office Environment

May work in System and Network Lab environment

24X7 Network Operations environment

Occasional travel as required