5G Mobile Core & Networking Senior Developer
Job Description

What You'll Do

Your goal, as a technical expert, is to help drive ONF's Aether platform for 4G/5G and Edge in conjunction with a broad research and development community covering operators, equipment manufacturers and scientists. The Aether platform has a flexible architecture for research, private 4G/5G deployment with private networks and across cloud platforms.

You'll be responsible for driving significant development within Aether, while collaborating with community members to extend the overall capacity and capability of the community. You'll become a key resource regarding the underlying technologies, becoming a significant contributor to this technology worldwide. You'll help maintain and extend the Aether open source project, with a focus on the interworking between the 5G components and service modules. You'll become an expert resource to help others, along the way continually enhancing the source and documentation so that others can eventually do more and more complex deployments on their own.

By helping to grow the base of researchers (both academic and commercial), you'll be building the pipeline of future contributors who will join the project and contribute back to the community. You'll work with these contributors to help guide and assimilate their contributions, thus taking a leading role in helping to grow the Aether ecosystem.

Responsibilities
- Extend Aether to support a wide variety of deployment scenarios, from single server to distributed cloud deployments
- Work with community members in their efforts to deploy Aether private 5G + Edge platform
- Skilled at deployment of 5G, 4G network functions on kubernetes
- Write helm charts for customized deployments for various scenarios
- Help maintain the Aether open source project, with a focus on the interworking between the 5G components and service modules
- Help guide the community with their contributions
- Help assimilate community contributions, thus taking a leading role in helping to grow the Aether ecosystem
- Lead technology collaboratively with the ecosystem without direct control

Minimum Qualifications
Mobile: 4G and 5G Mobile Core, UPF

Networking:	TCP/IP networking, SCTP, Load balancing, …
Linux Networking:	DPDK applications, SRIOV interfaces, kernel tunneling.
Cloud technologies:	Kubernetes, containers, …
Tools/Technologies:	wireshark, openapi
Languages:	Golang, Python, C, C++, Java, bash, …
Education:	BS Computer Science and 4 years relevant experience, or 10 years relevant experience

Desired Skills

- Mobile RAN experience
- Open RAN

Why ONF

ONF is unique.

ONF is a non-profit, giving you the opportunity to work for the greater good to help transform networking and bring the latest technologies to leading researchers (commercial and academic) around the world. Our engineers have opportunities to engage with a diverse and vibrant community to help foster consumption, engagement, and contributions to the projects.

ONF is about delivering transformation, not financial profit. This allows us to work on the latest technologies to help drive change, leading to lots of variety in our work.

ONF is broad. With over 100 member organizations and with developer contributions coming from around the world, you'll have the opportunity to work with lots of people from different backgrounds, companies, and cultures.

ONF is operator-led (backed by Google, Microsoft, AT&T, Deutsche Telekom, and others). You'll get to work with the most advanced companies, building a set of skills and relationships that can't be matched elsewhere.

ONF offers a collaborative and rewarding 100% remote work environment, great benefits, and opportunities for personal and professional growth.

As a non-profit, ONF has the unique ability to sponsor H1B visas without a quota limit or auction.

Location - remote.

Company Benefits and Perks

ONF is a dynamic, fun, inclusive environment that empowers individuals. We offer flexible remote work and work hours and family-friendly benefits to all of our employees.

- 401k Retirement Plan with 4% Company Match
- Platinum-Level Medical, Dental and Vision Coverage
- Disability Insurance
- Unlimited Paid Time Off
- Support for Community Involvement

Submit resumes to: jobs@opennetworking.org