

5G Mobile Core & Networking Developer

Job Description

What You'll Do

Your goal, as a technical expert, is to help grow ONF's community of researchers (academic and commercial) who are using Aether as a platform for 5G and Edge research for experimentation and ultimately in commercial applications.

You'll be responsible for helping community members when they need guidance with their Aether deployments - an open source 5G edge cloud solution. You'll become a goto resource regarding the necessary technologies, and excited to work with the community. You'll help maintain 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

- Work with community members in their efforts to deploy Aether private 5G + Edge platform
- Skilled at deployment of 5G, 4G network functions on kubernetes
- Writing 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

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 in order 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