

# Architect - 5G Mobile Core & Networking Aether and SD-Core Projects

## Job Description

### What You'll Do

You will be a forward-looking hands-on technologist exceptionally versed in both mobile technologies (4G and 5G) as well as the cloud infrastructure (Docker, Kubernetes) used to deploy these capabilities. You'll be responsible for formulating and articulating the technical vision for the project and helping to recruit community members and contributors to help further the project. You will be guiding the technical roadmap while you also help grow ONF's community of users and developers who can help to collectively deliver against the vision and roadmap.

This is a hands-on role, and you'll be expected to be comfortable with your hands in the code and CI/CD system. You'll become familiar with the end-to-end architecture, be active with the community, and become a key resource for architectural vision, review, consensus building and decisions.

### Responsibilities

- Responsible for the overall technical vision for the SD-Core and Aether projects
- Senior enough to craft project proposals to build industry coalitions around disruptive research projects
- Build and guide coalitions to deliver on the Aether vision and roadmap
- Design 5G, 4G systems for cloud-native environments
- Be hands-on, collaborating with developers, with experience building dynamic cloud-centric platforms
- Help guide the community with their contributions, helping to assimilate contributions, thus growing both the project and the Aether ecosystem

### Minimum Qualifications

Mobile:	4G and 5G Mobile Core, UPF
Cloud technologies:	Kubernetes, containers, ...
Networking:	TCP/IP networking, SCTP, GTP, Load balancing, ...
Linux Networking:	DPDK applications, SRIOV interfaces, kernel tunneling.
Tools/Technologies:	wireshark, openapi
Languages:	Golang, Python, C, C++, bash, ...
Experience:	Vendor experience delivering a mobile core product offering
Education:	BS Computer Science and 8 years relevant experience, or 12 years relevant experience

## **Desired Skills**

- Mobile RAN expertise and architectural proficiency
- Open RAN, O-RAN architectural proficiency
- Experience working in open source

## **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](mailto:jobs@opennetworking.org)