

Member of Technical Staff

Aether Platform Architect

About the Aether Project (<http://aetherproject.org>)

[ONF](#) is at the forefront of creating open platforms to transform how networking infrastructure is built. The Aether project combines ONF platforms to enable and accelerate enterprise adoption of 5G enabled edge solutions required by [Industry 4.0](#) initiatives.

ONF has a long history of building platforms that transform operator networks such as the work done for [Comcast](#), [AT&T](#), [DT](#), and [TT](#), to name a few. ONF's Aether addresses the mobile infrastructure challenge to enable Industry 4.0 initiatives which require mobility, stronger security, much higher bandwidth / lower latency (and guarantees) - things that private cellular can offer beyond Wi-Fi capabilities.

Aether is the first open source 5G Connected Edge platform for enabling enterprise digital transformation. It provides mobile connectivity and edge cloud services for distributed enterprise networks as a cloud managed offering. Aether is an open source platform optimized for multi-cloud deployments, and simultaneous support for wireless connectivity over licensed, unlicensed and lightly-licensed (CBRS) spectrum. Aether is being used as the platform for the [DARPA Pronto project](#), helping to advance Aether as a platform for secure 5G.

About the role of Aether Platform Software Architect

This is an opportunity to be in on the ground floor of enterprise 5G mobile edge adoption. This role has been opened to add a key leader with cloud native production experience who will be responsible for the overall Aether software architecture as it moves from prototype to production. The candidate comes into Aether at a pivotal moment - Aether has been running as a prototype for the last year with friendly customers and in support of the DARPA next generation network initiative called [Pronto](#) and has garnered much interest from ONF partners and enterprises to bring the system to production as a managed service.

What you bring to ONF:

You are a hands-on software Architect with enterprise production experience who has led teams to architect/build/deploy/support a cloud native production software platform.

- You are “native to the cloud” and have been building container based microservices using the latest technologies.
- You were a key architect/designer/developer of a large-scale (global) platform that was in production multiple years - and you have been through the experience of launching it and adapting it as it grew - you have worried about the scale, performance, and security of the platform.
- You have led the platform API design, and been responsible for its evolution.
- You are experienced with data model design and declarative models of configuration.
- Your path to your current role was through development and you still want to spend at least half of your time coding.
- Microservice architecture - you understand how to create scalable applications and APIs that are secure and adaptable.
- Strong software design methodology and proven development and testing skills.
- Prior agile development experience.
- Prior startup experience is helpful.

About the Open Networking Foundation (<http://opennetworking.org>)

The Open Networking Foundation is in Menlo Park, CA. We are a non-profit operator led consortium driving transformation of network infrastructure and operator/supply chain business models. We are an open, collaborative, community of communities. The ONF serves as the umbrella for a number of projects building solutions by leveraging network disaggregation, white box economics, open source software and software defined standards to revolutionize the carrier industry.

We are building Open Source Tools and Platforms to *accelerate* the adoption of Software Defined Networking (SDN), Cloud infrastructures, Virtualization, and Network Functions Virtualization (NFV). We are an Open Source *development* organization with strong research, product and innovation background.

We are looking for people who are passionate about learning and who are open minded about the way cloud infrastructure and networks are built. We want people with a strong desire to implement their ideas and see those implementations used in real networks. Have you built and delivered products for commercial companies? Have you done applied research in cloud infrastructures and networks? Have you contributed to Open Source projects?

What is life like on a daily basis at ONF? We work closely with operators, partner engineers, and executives leading change in the networking industry. We develop with

agile methods. We challenge each other, we brainstorm, we write code, we create new implementations that have *real impact*. We collaborate closely with commercial and academic organizations. We have fun and we make a difference.