

Member of Technical Staff

Aether DevOps (Tucson)

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

About the role

The role is for a devops engineer contributing to the Aether project. Aether runs as a managed service (PaaS) providing mobile connectivity at the edge of the network - enabling enterprises to build IoT and Edge Cloud solutions in pursuit of Industry 4.0 automation. Read more about Aether in the [Aether white paper](#).

As in most startups, this role will provide a number of different opportunities for the candidate to grow in areas of Infrastructure as a Service, Platform as a Service, Cloud deployment environments (bare metal, Google, Azure, Amazon), DevOps tools, software development. The candidate will be getting in on the ground floor of a new service offering for Enterprise 5G Mobile Edge Connectivity.

The ideal person has many of the following characteristics:

- Distributed systems operations experience and maturity.
 - Good written communication skills, with the ability and inclination to both create and follow detailed technical instructions.
 - Takes a whole-system approach to problem solving and planning. Can understand the technical facets of a task or program and why the design works the way it does, what dependencies it has, and can envision scenarios about how failure could occur from both internal and external causes, then propose and implement mitigation strategies.
- Unix/Linux experience at a systems administration level, with extra importance given to experience in automation of system configuration, mass deployment, and fleet management.
- Experience with using containers (Docker) and container management/job orchestration platforms (Kubernetes).
- Understands how to leverage CI tools (Jenkins) and automation and CD tools (Ansible, Terraform) to test and deploy software and systems with high feature velocity.
- Development skill primarily in scripting languages (bash, python), with some familiarity with compiled languages (java, go, c++)
- Experience with using source code management (git) and code review platforms (gerrit, github).

- Understanding of security technologies such as public key encryption, as it applies to websites, SSH, and the signing of artifacts.
- Networking experience from the physical layer (Ethernet, WiFi) up through IP and services running on top of it like DNS, DHCP, and HTTP.

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

The Open Networking Foundation is in Menlo Park, CA and Tucson, AZ. 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 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.