



To whom it may concern

## Reference letter for Shahriyar MAMMAOV

Shahriyar MAMMADOV has been working for one year as of August 1, 2018, as an intern in the NGINX Engineering Research, under my supervision. NGINX is the company behind leading open source web and load balancer.

For the duration of his internship, Shahriyar worked on open source project "nginmesh." It is state of the art innovate project to build service mesh on top of Kubernetes. To perform many roles required for the project, Shahriyar had to learn new languages, tech stacks, and operation know how quickly. Within six months, he gained high proficiency in Kubernetes, service mesh and Istio. He contributed to project using language such as Rust, Go and Python. He was also instrumental in the release cycle. With his help, we were able to make three significant releases during the last nine month.

Some of the significant tasks achieved by Shahriyar include:

- Writing NGINX module in Rust to calculate HTTP packet metrics. He had to learn Rust and NGINX module which was not easy.
- Automated end to end integration test suite using Python and BDD framework.
- Write the performance test between NGINX and competition. Worked with domain knowledge expert to fine tune NGINX for better performance.
- Wrote the project documentation and how to guide for installing and using the project.

Shahriyar performed very well during his tenure and exceeded my expectation as an intern. He was able to complete his work with minimum supervision. In many tasks, he brought new ideas and suggestion. And all cases, he executed milestones to completion with great enthusiasm. He worked whatever he took to finish tasks even it took working overtime and weekends.

To conclude, I am happy that he joined an internship for our project. I am convinced he will be a significant asset and perform well in a full-time position.

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A handwritten signature in black ink, appearing to read "Sehyo", is placed next to the printed name and contact information.