Intern Project Proposal: Dashboard Automation Framework for Pharos Community

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While attending the OPNFV Summit 2016, I had the opportunity to meet Jack Morgan, Jose Lausuch and Fatih Degirmenci and got very interested in joining the OPNFV internship project Dashboard Automation Framework for Pharos Community.

I would like to get involved in the OPNFV Project and the dashboard seems to be a good way to get to know different parts of the OPNFV platform as well as the OPNFV development process. I am excited to develop the dashboard as a tool to manage some of the complexity that comes with the growing OPNFV infrastructure.

As a first step, I would like to reimplement the dashboard using Python and Flask. This should not take long, as the prototype is small right now and I could reuse some of the front-end code. I have been programming with Python for 3 years, so by using it, I expect to implement features faster and also to write better code.

For the pilot, I already talked with Jose Lausuch and Jack Morgan about some possible improvements for the dashboard, such as showing more information about lab status and about usage statistics.

Currently I am in the fourth semester of the Computer Science bachelor program at Freie Universität Berlin. I can work on the project for 3 months, starting after July 23rd. This is during summer break, so I can work 40 hours a week.

[https://wiki.opnfv.org/display/DEV/Intern+Project%3A+Dashboard+Automation+Framework+for+Pharos+Community](https://wiki.opnfv.org/display/DEV/Intern+Project%3A+Dashboard+Automation+Framework+for+Pharos+Community)
For university projects I mainly programmed in Python and Java. So far, my coursework covered topics like:

- Functional and object oriented programming
- Software architecture (UML, OCL, software design patterns)
- Concurrency (Multithreading, Message passing)
- Networks (TCP/IP, network programming)
- Operating systems
- Databases
- Mathematics and theoretical computer science

Besides that, I also worked on some side projects, most notably a chess engine. For performance reasons, I chose C++ for this project, the code can be found on my Github.

I use Linux and Git for all my projects. Although I sometimes use IDE’s for Java programming or to browse code, I normally prefer to just work with emacs and a couple of terminals. For my builds I use tools like Make and Cmake combined with Bash scripts.

During the internship, I would like to learn more about Open Source Software development methodology. I would like to learn how to utilize tools like Jenkins, Jira and Gerrit to collaborate in software development.

Apart from Programming, I like to travel, to cook and I play cello.

Reference

Fatih Degirmenci: Principal Software Developer at Ericsson AB

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https://github.com/max-br/chess