

# Brendan Harley

## Junior Devops Engineer

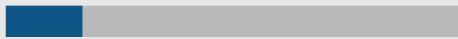
 19 July 1996  
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## About me

Current third-year student at EPITA. I enjoy deploying and maintaining dynamic infrastructures

## Skills

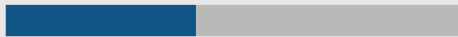
Kubernetes



OpenStack



C++



Bash



Python



C



Ceph



Ansible



Docker



(\*)[The skill scale is from 0 (Fundamental Awareness) to 6 (Expert).]

## Interests

4 Months Devops Internship

## Education

since 2014	Engineer's degree	EPITA
2014	Baccalaureat Majoring in Science, Honors	La Providence Mesnil-Esnard
2011	BIA <i>Initiation to Aeronautics</i> , Honors	La Providence Mesnil-Esnard

## Experience

2017-current	LSE	Devops	<ul style="list-style-type: none"><li>• Deployment and monitoring of a Ceph cluster with Ansible, Docker.</li><li>• Development of bootstrap-vz to adapt it to lab uses.</li><li>• Administration of server additions, network set-up.</li><li>• Management of server room resettling.</li><li>• Deployment of Prometheus / Graphana.</li><li>• Management of a Docker Swarm.</li><li>• Deployment of wireguard for VPN.</li><li>• Rework of website infrastructure with Traeffik, S3 and Jenkins</li></ul>
2016	DaVolterra	System Administration	<ul style="list-style-type: none"><li>• Deployment of Proxmox on newly arrived servers</li><li>• Mapping of network infrastructure</li><li>• Deployment and development of an intranet</li><li>• Day-to-day IT issues fixes</li></ul>

## Technical Experience

### Open Source Contributions

#### Bootstrap-vz

- Add LVM/Qcow support
- Fix cleaning after bootstrapping
- Fix Archlinux compatibility
- Fix potential security leak and silent fail when dependencies weren't present

### Projects

#### myhttpd

Nginx clone made during the EPITA curriculum. The project made extensive use of Gtest for unit testing, and had a CI on Jenkins to enforce a working build on FreeBSD, OpenBSD and Linux.

#### my ld.so

Remake of ld.so, the linux dynamic linker. Finds the needed libraries in the STRTAB. (ldd) Mmaps them, then performs relocation calculation in the program. Jumps on the entrypoint of the program.

## Other Information

### Hobbies

- Karate: First Kyu
- Airsoft: Chief of Staff at Stack, the airsoft association of EPITA
- Other Hobbies: Reading, Video Games, Programming, Cinema