Lionel Kubwimana

Software Engineer

I am a self-taught Software Engineer with a background of a Network Engineer and 2 years of work experience. I have a passion for writing code to solve (only) real-world problems through challenging projects. Seeking new opportunities in Budapest.

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www.github.com/LionelKb

Work Experience

09/2014 - Present — Paris, France

Network Engineer
Covage

Telco operator specialized in fiber deployment and IP services.

Tasks/Achievements

- Testing, validating and writing technical documentation describing new IP services and solutions to be deployed on the MPLS/FTTH Covage network.
- Product Owner of two in-house projects involving the automation of the network. Responsible of the code, strategy, vision, roadmap and feature definition.
- Level 3 Support Escalation for the Network Operation Center team.

01/2014 - 06/2014 — Paris, France

Network Engineer Intern
Covage

Tasks/Achievements

- Built Command Line (CLI) tools in a Linux environment.
- Automated the management of the network configurations to be used for a specific customer request. The tool developed generate the needful configurations files for the routers, the switches and the CPEs.
- Built a network configuration audit tool. It checks the incoherences due to manual provisionning of the existing services.
- Studied the needed steps for a migration from Per-Vlan Spanning-Tree to Multiple Spanning-Tree on a part of the aggregation network.

07/2012 - 12/2012 — Paris, France

Software Engineer Intern
Covage

Tasks/Achievements

- Built web-based tools running in a Linux-Apache-MySQL-PHP environment.
- Designed a tool used for scheduled planned works on the fibers to identify and inform the customers affected by the fiber cut. It improved the existing process from one working day to 30 minutes.
- Developed an user-friendly interface giving the outline of parts of the network using the Google Maps API and queries to a GIS database containing the entire Covage fiber network.
- Automated the CPE turn-up deployed on the entire network using a DHCP server with a embeded database and an single web page used to register the new equipments to be delivered.

Education

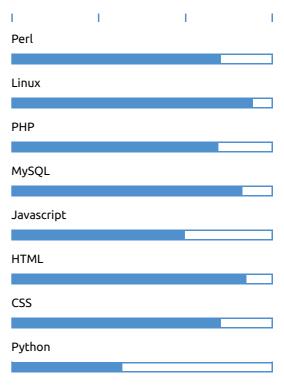**05/2016 - Present** — Online Course

Full Stack Web Development Certification
Free Code Camp

09/2011 - 06/2014 — Troyes, France

Network Engineer's degree
Université de Technologie de Troyes

Coding Skills

Perl

Linux

PHP

MySQL

Javascript

HTML

CSS

Python

Projects

Automated Network Service Provisioning
- Web-based platform used by the delivery team to configure and provision a service without any access to the CLI of the network equipments.

Network Configuration Audit
- Perl scripts that check if the configuration of the network equipments is done according to the specifications described by the engineering team.

Languages

English
Expert

French
Native or Bilingual

Italian
Beginner

Kirundi
Native or Bilingual

Interests

Reading (Inspirational books) | Music (Guitar) | Travelling | Hungarian language | Sport (Running)