

## — Main skills

- Human Languages: French, English, Brazilian Portuguese and basic Cantonese
- Programming Languages: Python, Rust, Javascript, C
- Web Frameworks: Pyramid, Django, Flask
- Build Systems and Packaging: Flatpak, BuildStream, Docker, RPM, Debian
- Continuous Integration: Buildbot, Gitlab-CI

## — Free Software Contributions

Although that won't show you everything, you can find most of my contributions through my public profiles on a few platforms:

- *Gitlab* (<https://gitlab.com/bochecha/>)
- *GNOME* (<https://gitlab.gnome.org/mbridon/>)
- *Framagit* (<https://framagit.org/bochecha/>)
- *Github* (<https://github.com/bochecha/>)
- *Open Hub* (<https://www.openhub.net/accounts/bochecha>)
- *Fedora Badges* (<https://badges.fedoraproject.org/user/bochecha>)

However, there are a few contributions I would like to single out.

I developed *an implementation of the Cangjie Chinese input method* (<https://cangjians.github.io>). This forced me to learn a lot about written Chinese, how characters are constructed, and how to input them with a keyboard. And all that without being able to read or write Chinese.

I have been a *Fedora* (<https://fedoraproject.org>) contributor since 2008, first as a package maintainer and later contributing code to various projects that form the Fedora build and release infrastructure, like Bodhi, Koji, *rpkg/fedpkg*, etc.

I have been a *GNOME* (<https://gnome.org>) contributor since 2014, mostly around things like BuildStream and Flatpak. Specifically, I participate in maintaining the Flatpak *Freedesktop Sdk* (<https://gitlab.com/freedesktop-sdk/freedesktop-sdk/>).

## — Professional Experience

### **Software Engineer (contractor), Libraries Without Borders, 2015-2018**

Maintenance of the *Ideascube* (<https://framagit.org/ideascube/>) project with *Matthieu Gautier* (<https://mgautier.fr/>):

- Django web development;
- interfacing with OS services like NetworkManager and systemd;
- deployment of a Buildbot-based build system to automatically generate Debian packages at each release;
- overhaul of the Continuous Integration system.

### **Software Engineer (contractor), Brief.me, 2016-2017**

Improvements of the existing *Brief.me* (<https://brief.me>) Django application, adding new features, fixing bugs, and paying back some of the technical debt it had accumulated.

### **Software Engineer (contractor), Contexte, 2016**

Reinforcement of the development team to create and release the new version of the *Contexte.com* (<https://contexte.com>) Django application.

## — Professional Experience (continued)

### **Release Engineer, Red Hat, 2014-2015**

Support for the developers during the development cycle, signing and releasing new versions when they were ready.

Development and maintenance of the build and release infrastructure, based on the Fedora one.

### **Linux Platform Developer, Network Box (Hong Kong), 2011-2014**

Responsible for building a whole Linux distribution for the company's security products, an OS based on RHEL, Fedora and some in-house developments.

Maintenance of the build and release infrastructure, reusing Fedora's Koji, Bodhi, Dist-Git and rpkg.

Development of a few *Python tools and libraries* (<https://github.com/network-box/>), either to interact with the build system (e.g. *nbpkg* (<https://github.com/network-box/nbpkg>)), or to integrate in the company products (e.g. *nbyum* (<https://github.com/network-box/nbyum>)).

Release engineering, supporting the internal developers on the best ways for their software to integrate with the rest of the OS.

### **Software Engineer (contractor), ALD Automotive, 2009-2010**

Development and maintenance of accounting applications written in Python, both for the desktop and the web.

Among other things, this led to the development of the *PyF* (<http://pyfproject.org/>) flow-based programming framework.

### **System Engineer (contractor), France Télécom, 2008-2009**

Management of the RHEL servers running Apache/JOnAS applications of the staging infrastructure. Support for the production team.

### **Software Engineer, Atos Worldline, 2007-2008**

Web Application development in Java, J2EE.

## — Education

### **Masters of Engineering - Telecommunications, INSA de Lyon (France), 2007**

### **Academic Exchange, Universidade Federal de Santa Catarina em Florianópolis (Brasil), 2005-2006**