



**End of year project:** Software development of an Exo decentralized Platform application based on Blockchain technology

**Field :** Software development-Blockchain

**Host company:** eXo Platform MEA

**Internship Length:** 6 months (February-July 2019)

**Profile:** Student preparing a diploma (BAC + 5) level, School of Engineering. Specialty: Computer Science.

**Internship subject:**

Blockchain technology brings several interesting subjects of studies and innovations in various fields (finance, medicine, politics...).

The internship subject is on the experimentation and the decentralized application development based on blockchain technology. In fact, the decentralization of applications brings many benefits including:

- Continuous data backup in several locations (avoid SPOF)
- Improved scalability (scalability)
- Improve service availability

As part of this internship, we propose to develop an instant messaging (chat) application based mainly on the following technologies:

- Java/JEE & eXo Platform • Vuejs and Vuetify
- Holochain

Knowledge acquired following the internship:

- EXo Platform software and associated technologies.
- Blockchain Technologies and decentralized applications