# Toolchain

## Sensor

IDE: Arduino IDE

Toolchain: ESP32 board toevoegen: <https://www.electronics-lab.com/getting-started-with-espressifs-esp32-c3-devkitm-1-on-arduino-ide/>

Stack: C/C++

### Libraries:

* LOLIN\_HP303B (<https://github.com/wemos/LOLIN_HP303B_Library>)

## Server

### Website (API + backend)

IDE: PHPSTORM / …

Stack: NGINX + MySQL + PHP + Laravel

Packages (Debian / Ubuntu):

* ninx
* php-fpm php-apc php-mysql
* mysql-server
* composer

Php extensions (php.ini): curl, openssl, pdo\_mysql, mbstring, fileinfo

Run composer install to install the required packages.

## Website

IDE: Visual Studio Code / Webstorm / ….

Stack : HTML + CSS + JS