

The background features a complex network of thin, light-colored lines and dots, forming various triangular shapes and a larger, interconnected web-like structure. The lines are primarily in shades of light blue and grey, with some dots appearing as small, faint circles. The overall aesthetic is technical and modern, suggesting a network or data structure.

ESP-IDF Components Library

Library of Sensors and Other Components

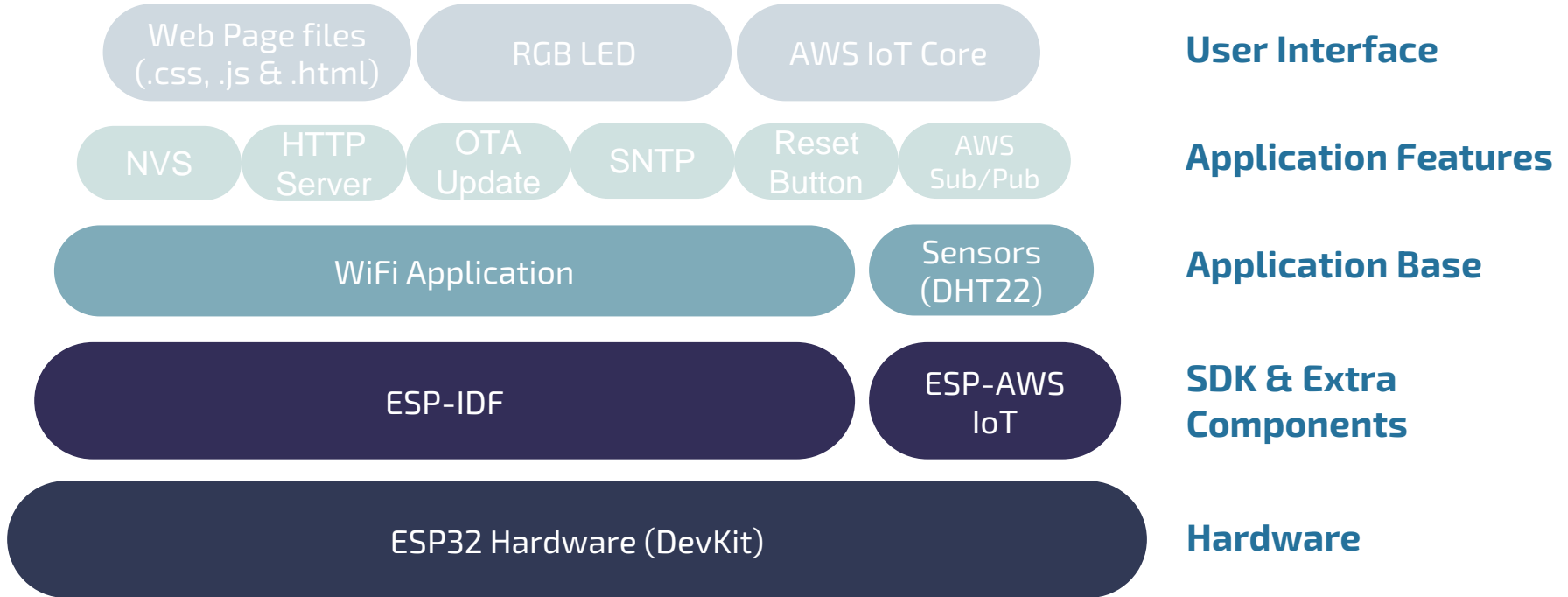
ESP-IDF Components Library

- Sensor Library Integration is Completely Optional
 - Lesson Plan
 - ESP-IDF Components Library Overview, Documentation and Examples
 - Project Structure
 - Integration Steps Preview
 - Demonstration
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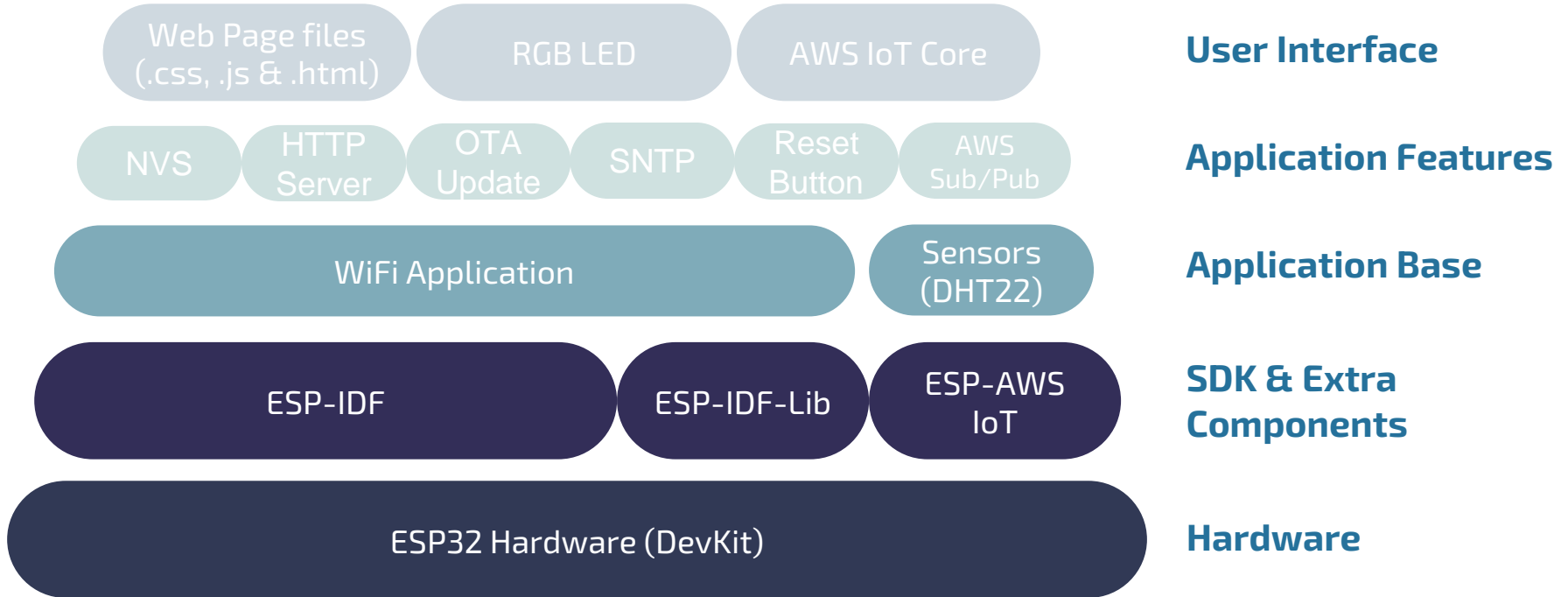
ESP-IDF Components Library Overview

- Component Library containing an abundance of drivers for sensors and more
 - Component Library → <https://github.com/UncleRus/esp-idf-lib>
 - Documentation → <https://esp-idf-lib.readthedocs.io/en/latest/>
 - Examples → <https://github.com/UncleRus/esp-idf-lib/tree/master/examples>
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Application Project Structure



Application Project Structure Update



Integration Steps Preview

- Integrate Library

- Clone ESP-IDF components/sensors library.
- Adjust the top-level CMakeLists.txt file to include the sensor library component.

- Integrate Example(s)

- Either use one of mine or choose one from the library.
 - Adjust the CMakeLists.txt file in the main folder to include the example files.
 - Add the 'Kconfig.projbuild' file from example to the 'main' folder.
 - Adjust application files (main.c, tasks_common.h).
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Examples Demonstration

- Demonstrate complete example(s) for easy adaptation for your own projects
 - [BME680](#)
 - ... More

The background features a complex network of thin, light-colored lines and dots, forming various triangular shapes. Some triangles are filled with a light blue or yellow color, while others are just outlines. The lines and dots are scattered across the entire frame, creating a sense of depth and connectivity. The text "Next Lesson" is centered in the middle of the image, overlaid on the geometric pattern.

Next Lesson