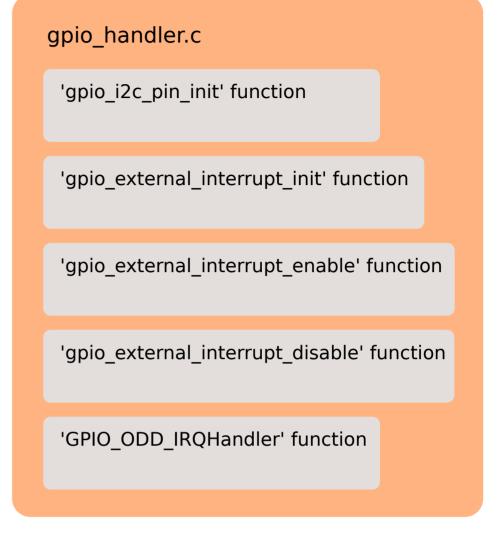
esw-digital-sensor software architecture

app_main.c 'hb_loop' thread - periodically print heartbeat 'mma_data_ready_loop' thread - init i2c - init gpio - configure mma8653fc - read sensor data 'calc_signal_energy' function

```
mma8653fc_driver.c
 'sensor_reset' function
 'set_sensor_active' function
 'set_sensor_standby' function
 'configure_xyz_data' function
 'configure_interrupt' function
 'get_xyz_data' function
 'read_registry' function
 'write_registry' function
 'read_multiple_registries' function
 'convert_to_count' function
 'convert_to_g' function
```



```
i2c_handler.c

'i2c_init' function

'i2c_enable' function

'i2c_disable' function

'i2c_reset' function

'i2c_transaction' function
```