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# SENIOR EMBEDDED SYSTEMS ENGINEER – CANDIDATE

## EMB-A2



### Profile

IoT systems engineer with 10+ years building smart home devices. Experienced with ESP32, low-power wireless protocols, and edge firmware optimization.

### Experience

IoT Engineer, HomeIQ GmbH; Berlin, Germany — 2016–Present

Built ESP32-based device firmware for Zigbee/Z-Wave smart sensors.

Developed OTA update protocols and power-optimized battery usage.

Embedded Developer, SmartNode UG; Hamburg, Germany — 2012–2016

Developed BLE mesh communication for device coordination and implemented cloud sync routines with MQTT.

R&D Engineer, CoreNet AG; Hannover, Germany — 2010–2012

Prototyped home gateway firmware using embedded Linux and Node.js bindings.

### Education

HTW Berlin, Berlin — M.Sc. Embedded Networking, 2011

University of Tirana, Tirana — B.Sc. Computer Systems, 2008

### Skills

ESP32, Zigbee, Z-Wave, MQTT, BLE Mesh, Embedded Linux, Low Power IoT, OTA, Node.js, C

### Awards

Certified IoT Developer – ESP Series | Zigbee Alliance Integration Certificate | BLE Mesh Communications Expert