

Hardware Design Engineer



PERSONAL DETAILS

Name	 Souhaib Touati
D.O.B	 12 January 1989
Web	 http://www.souhaibtouati.tk
Contact	 +216 22 485 569 / +216 41 904 236
Email	 Souhaib.touati@gmail.com

EDUCATION

2010-2013	National Engineering School of Sfax Tunisia
2007-2009	Engineering Preparation Institute El Manar

LANGUAGES

 French	 German	 English	 Arabic
--	--	---	--

EXPERIENCE

Yamaichi Electronics
Deutschland
Aug 2015 - present

Hardware Designer (Tunisia Design Center)

- ✓ **HARDWARE**
 - Schematic capture and system architecture design
 - Design of complex multilayer Impedance controlled PCBs.
 - Design according to IPC standards of Rigid, flex and Rigid-flex PCBs
 - Components Library management
 - Creation of symbols, footprints and database entries
 - Generation of Manufacturing data (Gerber , ODB++)
 - Testing And Debugging prototypes
- ✓ **SOFTWARE**
 - Development of firmware for MCU (TI, STM32, FreeRTOS, embedded C)
 - Development of extensions in C++ for Altium Designer
 - Development of web-application for components database management (PHP, HTML, JavaScript..)
- **IMPORTANT PROJECTS**
 - *BMW, eSolution, Noffz*: Design of Automotive infotainment test system (ARM microcontroller, Intel GbE 1000BASE-T network interface, PCI express, JTAG, Motor Control, Power Management)
 - *Hamilton Medical AG*: Design of Medical rigid-flex PCB 150 mm

Phone Service Center
Ltd. Tunisia
Dec 2014 - Jul 2015

Technical Manager

- Technical Launching of startup
- Defining process for HW/SW debugging and repair
- Providing support for "Level 3" PCB interventions
- Technical training for all team members (3 Engineers, 5 technicians)
- Recrutement of Engineers and technicians
- Knowledge transfer (France - Tunisia)

SAMSUNG Electronics
Oct 2013 - Nov 2014

Field Test Engineer

- Field test and Validation of Mobile products (Smartphones, Tablets, Cameras)
- Management of Test scenarios and debugging
- Cooperation with R&D (Korea, India) to optimize product
- Review of Electrical specifications (RF, WIFI, Bluetooth, Frequency bands..)
- Technical support for Service centers (Repair process, software configuration..)
- Supply chain management
- Daily troubleshooting and operations management.

Valeo Automotive
Feb 2013 – Jun 2013

Working Student System Design

- Study and Design of Semi-Automated test-bench for Automotive top column module (assembly, resistance measurement, debouncing)
- HW design: Relay matrix switching system, Low noise amplification, and National Instruments PCI Data acquisition card and Sensor network.
- SW design using C language and Labwindows/CVI for measurement and testing process.

INTERNSHIP

Electronics and IT
Lab
Apr 2012

Design and implementation of an LED Retinal Persistence display (HW and SW)

Tunisia Telecom
Mar 2011

- Internship in the Data Transmission center
- Wireless Communication Network Maintenance

ELEKTRON Tunisia
Feb 2010

Internship in the Maintenance and Instrumentation Lab

TRAINING

Munich, Germany
Aug 2015

- PCB Technology
- Design techniques
- Manufacturing process (reflow soldering, pick and place..)

Paris, France
Dec 2014

- ERP administration
- Multi brand Mobile repair techniques
- Process management

Dubai, UAE
Jan 2014

Functional testing of Mobile devices and SW configuration for problems debugging

PROFILE



[linkedin.com/in/souhaib-touati-28080996](https://www.linkedin.com/in/souhaib-touati-28080996)
droidcon.tn/android-business-security-samsung-knox/

Hello! I'm Souhaib, a 28 year old Electronics Engineer based in Sousse, Tunisia.

Everytime I joined a team or a company I always had Positive feedback from my colleagues and managers.

Self development and auto learning are my strong values
Love of work and motivation are my gift to the company.

SKILLS



Specialities

PCB Design
C development
Web Design



Knowledge

Electronics
Telecom
Software
Mobile
Test & Measurement



Tools

Altium Designer
Cadence Allegro
Pspice/Tspice
Laravel



Hobbies

Traveling
Photography