

EMBEDDED SOFTWARE ENGINEER PRODUCT&SOFTWARE MANAGER SERTAÇ TÜLLÜK



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Date of Birth: 10.10.1980 **Military Obligation:** Completed **Driving License:** B-Class

CAREER PROFILE

- Linux / Android based consumer / industrial product designer.
- Senior level C / C++ / Shell Script developer
- Active Linux user / developer since 1998
- Free / Libre Open Source Software Developer, Community Contributor
- Product / Business experience:
 - Industrial level and Consumer level HMI Devices
 - Home Automation systems, Smart Home TouchPanels
 - Digital Satellite Receivers & DVB Systems
 - Headless embedded linux devices (SoM, CoM, Carrier boards..etc)
 - 10+ years experience on Allwinner / RockChip / Amlogic / IMX / TI platforms
 - 10+ years experience on SBCs (Single Board Computers)

EXPERIENCE

SIEMENS AG / Istanbul / Since 04.2018

Experienced Software Developer

- Responsible for firmware development of Industrial HMI devices.
- Expert on built-in and removable storage devices in the team (eMMC / Sdcard / USB...etc)
- Expert on Serial Devices in the team (RS485 / RS422)
- Firmware Architecture Team Member since 2018

YONNET BILISIM - INTERRA / Istanbul / 07.2013 – 04.2018

Software Manager + Product Developer

- Responsible of planning and management of software development team since 05.2014. The team has completed 16 large sized software projects within 3.5 years.
- Worked on the management of planning, design, production and after sales of Smart Home / Building TouchPanels running Android OS. ([Interra TouchPanel](#))
- Worked on the management of planning, design, production and after sales of Smart Home / Building Headless embedded products running Debian Linux OS. ([Interra SIP Server](#), [Consierge Server](#))
- Developed ARM Android based PCBA used in smart home systems . Worked as a developer for OS porting, device drivers and optimization for all above products.
- Written GPIO libraries, Temperature, Ambient Light, Proximity Sensor library and applications by using C programming language.
- Developed a remote management system that can control & monitor the products after sales. This application is written by using shell scripts, SSH and imagemagick libraries.
- Have visited many suppliers in Germany, Netherland, South Korea, HongKong, China, and built good technical relationships.

MERIHVIDEO / Istanbul / 05.2006 – 07.2013

Research and Development Manager

- Designed Turkey's 1st HD Linux Satellite Receiver([HIREMCO CHIPBOX](#))
- Worked on the management of planning, design, production and aftersales of 35 different model satellite receivers (SEOUL and HIREMCO branded)
- Designed and implemented the 1st OTA upgrade system for satellite receivers in Turkey (MerihOTA – Turksat Satellite) .
- Designed the 1st satellite receiver with on-board speaker (Hiremco F1)
- Responsible of planning and management of all products from planning and design to after sales support stage...
- Have visited many suppliers in Germany, Netherland, South Korea, HongKong, China, and built good technical relationships.
- Helped to increase the total revenue of the company around 5 times a year by highly specialised, high price / value rated satellite receivers that differentiate the products from the competitors.

ORIENT ELECTRONICS / Gaziantep / 02.2004 – 03.2005

Research and Development Manager

- Assigned as T/H insertion line management, TV chassis and design of satellite receivers, delivery management of electronic components from far east, management of the communication between 3rd party manufacturers.
- Specialised on T/H and SMT PCB design, Embedded system design, AOI and ICT test systems, computer and systems optimization, production optimization.

EDUCATION & TRAINING

1997 – 2003 : Gaziantep University (Regular hours Education)

Engineering Faculty, Electrical / Electronics Engineering - English

FOREIGN LANGUAGES

English : Level5 / C2

COMPUTER SKILLS

- Expert on Linux and Android OS FW / System Image building, Board Bring-Up
- Experienced C/C++/ShellScript developer
- Expert on open source software development (see [github/gitlab](#) repos)

CERTIFICATES

C LANGUAGE – CSYSTEM (www.csystem.org)

C++ LANGUAGE – CSYSTEM (www.csystem.org)

ISAQB / CPSA-F – 2020 (www.isaqb.org)

KEYWORDS

C++, C, BASH, LINUX, android, board bring-up, os porting, os optimization, embedded, arm, x86, debian, ubuntu, server, busybox, qt, gui, git, architecture, documentation, emmc, dram, maintenance, agile, scrum, development, x11, pwm, daemon, htop, nmon, iotop, coreutils, find, grep, ebpf, systemd, microcontroller, mqtt, knx, automation, smart home, terminal, bash, script, cloud, industry 4.0, container, docker, kubernetes, application, touchpanel, dvb, UX, project management, product management, r&d chief, good communication, time to market, customer relations, block diagram, determinism, uml, syntax...