

ANIL SEZGIN

Senior AOSP & BSP Developer

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SUMMARY

Senior software engineer with 13+ years of experience in consumer electronics, defense industry, and automotive. Expert in Embedded Android (AOSP), Board Support Package (BSP) development, and QNX. Proven track record in leading platform-level software development across smartphones, tablets, defense systems, and next-generation automotive infotainment platforms.

EXPERIENCE

Lead Software Developer

HaleyTek AB — BSP

May 2023 — Present
Göteborg, Sverige

- › Integration of baselines of various automotive Android and QNX projects.
- › Customization of Android Automotive OS and QNX for OEM customer needs.
- › Debugging platform-level issues on both QNX Hypervisor and Android VM.
- › Writing automated tests using Behave and Pytest frameworks.

Senior Software Engineer

Aptiv — Advanced Safety / UX

Nov 2021 — Apr 2023
Kraków, Polska

- › Development and maintenance of software download applications using Android's Update Engine.
- › Adaptation of Android OTA package creation to customer-specific software download format.
- › Debugging platform-level issues on both QNX and Android Virtual Machine.

Senior Researcher

TÜBİTAK SAGE — Embedded Systems

Oct 2019 — Sep 2021
Ankara, Turkey

- › Extension and development of ExoPlayer library for real-time video streaming.
- › Development of video player applications using GStreamer SDK, H.264 over RTP/RTSP.
- › Embedded Linux development using Yocto for i.MX 8 based custom HMI boards.

Software Architect

Vestel Electronics — Mobile Devices

Dec 2017 — Sep 2019
Manisa, Turkey

- › Led architectural decisions for Android OS customization on Qualcomm-based smartphones and tablets.
- › Design, development and integration of system services for manufacturing and OTA updates.

Sr. Software Design Specialist

Vestel Electronics — Mobile Devices

Jan 2015 — Dec 2017
Manisa, Turkey

- › Android OS bring-up on custom boards based on Qualcomm chipsets.
- › Peripheral bring-ups of display (MIPI-DSI), audio, sensors (I2C, SPI) on Linux Kernel.

Software Design Specialist

Vestel Electronics — Mobile Devices

Jan 2014 — Dec 2014
Manisa, Turkey

- › BSP-level development and integration for tablet and smartphone product lines.

Software Design Engineer

Vestel Electronics — Mobile Devices

Dec 2013
Manisa, Turkey

- › Android platform development and board bring-up for mobile devices.

EDUCATION

M.S. in Computer Engineering 2017 — 2019
Ozyegin University

B.S. in EE Engineering 2008 — 2013
Middle East Technical University

AREAS OF EXPERTISE

Embedded Android (AOSP) BSP Development

Android Automotive OS Linux Device Drivers

QNX Hypervisor Android App Dev

Embedded Linux / Yocto OTA Update Systems

PROGRAMMING

C C++ Java Python Kotlin

Shell Scripting OOP MATLAB

TOOLS & PLATFORMS

Android Studio Git Gerrit JIRA

GDB ADB Yocto Repo Tool VS Code

Behave / Pytest

LANGUAGES

Turkish — Native English — Fluent

HONORS

65th among 1,600,000 2008
Univ. Entrance Exam (ÖSS)

PROJECTS

- › **Android Automotive Platform — IVI (BSP & AAOS)**
- › **OTA Update System — Aptiv**
- › **Real-Time Video Streaming — TÜBİTAK**
- › **HMI Embedded Linux — i.MX 8 / Yocto**
- › **Vestel Venus V3 5570 — Smartphone (BSP & AOSP)**
- › **THOR Tablet Series — Multiple variants**