



Alexander Anisimov

System/Embedded Software Engineer

1 year as TrustZone Software Developer,
3 years as Embedded Software Developer.

Looking for an Embedded Linux
or System Software related position.

☎ +7(917)-519-08-34
🔗 [anisyanka.git](https://github.com/anisyanka)
in [anisyanka.in](https://www.linkedin.com/in/anisyanka)
📄 anisyanka.so
✉ anisimov.alexander.s

SKILLS

Basis	C, Bash, GNU make, Git
Have experience with	C++, QML, Python
Other	Vim, Markdown, \LaTeX , RPM spec
Keywords	ARM, TrustZone, REE, TEE, Linux kernel, LDD, hypervisors, microcontrollers, bootloaders

EDUCATION

National Research Nuclear University MEPhI

Bachelor's degree, nuclear physics, sept. 2013 - june 2017

Master's degree, embedded systems, sept. 2017 - june 2019

WORK EXPERIENCE

Jul 2019 – now	System Software Engineer @Open Mobile Platform Mobile OS based on Linux <ul style="list-style-type: none">• Development TEE side of Russian fork of Sailfish OS (Aurora OS)• Development hardware-backed keystore and trusted services• Designed new features for Linux kernel OP-TEE driver for in-house Linux distro• CVE fixing for government certification (FSTEK Russia)• Took part in preparation solution for sharing hardware resources between REE and TEE worlds
Sept 2019 – Mar 2019	Embedded Software Engineer @Yandex Self-driving cars <ul style="list-style-type: none">• Development emergency stop button for self-driving cars (FreeRTOS, STM32, CAN, radio module)• Reverse engineering for update protocol for radio modules to update its firmware by other chip• Development from scratch driver for SPI-based e-paper displays• Writing unit-tests with cpputest for one of main board in car
Feb 2018 – Sept 2018	Embedded Software Engineer @SmartAirkey Wireless solutions startup <ul style="list-style-type: none">• Development firmware for a Bluetooth-lock based on Nordic BLE stack and FreeRTOS• Development user-space Linux driver to control the lock over UART• Soldering and testing boards
Sept 2016 – Feb 2018	Junior Embedded Engineer @Amplituda Radiation safety technologies <ul style="list-style-type: none">• Development firmware for γ-sensors based on RS-485 and stm32f103• Development USB CDC devices to connect its to PC-apps• Development low-level drivers for ADC, DAC, OLED-controllers, touchscreen, RTC, DHT11, HD44780 and so on

ACHIEVEMENTS

- Fixed CVE-2020-6096 in GNU C Library for ARMv7 memcpy()
<https://sourceware.org/pipermail/libc-alpha/2020-June/114702.html>;
<https://sourceware.org/pipermail/libc-alpha/2020-June/114919.html>;
<https://sourceware.org/pipermail/libc-alpha/2020-July/115923.html>;
<https://sourceware.org/pipermail/libc-alpha/2020-July/115924.html>;