Kenan A.
Expert Senior C/C++ Embedded Developer

SUMMARY

- Over 26 years of experience as an Embedded Systems Developer. - Expertise in C/C++, with hands-on experience in Zephyr RTOS and Bluetooth Mesh. - Worked with nRF52, nRF53 MCU, Linux, ARM Cortex, and ESP32 technologies. - Led small engineering teams and provided consultation for embedded solutions. - Developed functional simulators for hardware modules. - History of troubleshooting and technical support roles, showcasing strong problem-solving skills. - Holds an educational background from Azerbaijan State University with certifications in client-server technologies.

TECHNICAL SKILLS

Main Technical Skills	C
Programming Languages	Assembler, C, C++, Java, Python
C++ Frameworks	Qt/C++
Platforms	ARM Cortex, Zephyr RTOS
Mail / Network Protocols / Data transfer	Bluetooth Low Energy
Virtualization, Containers and Orchestration	Docker
Third Party Tools / IDEs / SDK / Services	EasyEDA
Operating Systems	Linux, Windows
Hardware	nRF52
Methodologies, Paradigms and Patterns	Refactoring
Other Technical Skills	Atmel AVR, bluetooth mesh, ESP32, MCS51, NRF51, nRF53 MCU, PCAD

WORK EXPERIENCE

Embedded Systems Developer, https://puppod.com/

Duration: 2021-present
Summary: Porting the firmware to other platforms/hardware.
Responsibilities: Developing HAL, functional simulator for hardware modules, and other infrastructure for the firmware. Developing new functionality for the firmware and support of existing code. Developing unit tests.

Technologies: C/C++, Linux, Bluetooth Low Energy, Bluetooth Mesh, Zephyr RTOS, Docker, nRF52, nRF53 MCU

Embedded Systems Developer, Team Leader, MikronLed Elektronik LTD

Duration: 2013 – 2021
Summary:

- Worked on developing microcontroller-based devices for various equipment
- Designed hardware solutions
- Developed embedded and cross-platform desktop software
- Worked as a team leader of a small engineering team (2 – 5 persons)
- Functioned as a consultant for other teams and companies for developing embedded solutions
- Developed functional simulators for embedded devices in order to model the solutions
- Provided technical support for customers and other teams
- Reviewed, refactored, and fixed software projects built by other teams

Technologies: C/C++, Linux, ARM Cortex, Atmel AVR, MCS51, NRF51, ESP32, Qt/C++, PCAD, Eagle, EasyEDA

Experienced Telecom Engineer, First Line Support, Ericsson AB

Duration: 2008 – 2013
Summary:

- Provided first-line support of core and radio network equipment for telecom operators
- Participated in several telecom and integration projects using Eriksson's solutions
- Worked on troubleshooting and solving problems with supported equipment

Software engineer, developer. Team leader, R.I.S.K company

Duration: 2002 – 2008
Summary:

- Designed and developed software solutions for various projects
- Lead small developers team (three persons)
- Coded, tested, integrated, delivered software products
- Provided technical customer support
- Adapted/integrated various hardware/software solutions from other teams

Embedded software engineer, developer, OilGasAutomat Sumgayit

Duration: 1996 – 1999
Summary: Designed and developed embedded software solutions.
Responsibilities: Assisted electronic engineers with designing microcontroller-based equipment. Created tools and utilities (compilers, flashing, and diagnosing tools) for hardware equipment. Supported, refactored, and extended developed solutions. Analyzed and troubleshooted the problems that occurred on-site.

EDUCATION

- **Azerbaijan State University**
  Baku, Azerbaijan
  1991 - 1997

CERTIFICATION

- **Client-Server technologies and applications**
  CGDS Moscow
  1999
- **Various mobile telecommunication equipment courses**
  Ericsson AB
  2008 - 2013