

# 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

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

## 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

