

Job Description – Qt/C++ Software Developer

About the Role

We are looking for a skilled **Qt/C++ Developer** with 2–4 years of experience in developing, maintaining, and enhancing desktop or embedded applications using **C++ and Qt**. The ideal candidate should have strong programming fundamentals, good problem-solving skills, and experience working in a software development environment.

Key Responsibilities

- Develop and maintain software applications using **C++ and Qt framework**.
- Design and implement user interfaces using **Qt Widgets / QML**.
- Write clean, efficient, reusable, and maintainable C++ code.
- Work with cross-functional teams to understand requirements and deliver software solutions.
- Debug, troubleshoot, and resolve software issues and defects.
- Perform unit testing, integration testing, and code reviews.
- Optimize application performance and memory usage.
- Participate in software design, development, testing, and documentation.
- Use version control systems such as **Git** for source-code management.
- Support software releases and resolve production issues when required.

Required Skills

- 2–4 years of hands-on experience in **C++ application development**.
- Good knowledge of **Qt framework**.
- Experience with **Qt Widgets and/or QML**.
- Strong understanding of **Object-Oriented Programming (OOP)** concepts.
- Good knowledge of **STL, data structures, and algorithms**.
- Experience with **multithreading, signals & slots, and event-driven programming**.
- Good debugging and problem-solving skills.
- Experience with **Git or other version-control systems**.
- Familiarity with software development lifecycle and coding best practices.

Good to Have

- Experience with **Linux/Windows application development**.
- Knowledge of **CMake/qmake**.
- Exposure to **REST APIs, TCP/IP, sockets, or other communication protocols**.
- Experience with **embedded systems or hardware-software integration**.
- Familiarity with **Jira or other project-management tools**.
- Knowledge of Agile/Scrum methodologies.

Education

Bachelor's/master's degree in computer science, Information Technology, Electronics, Engineering, or a related field.