Ihor Sh.
Senior C++ Software Developer

SUMMARY

- 7+ years of experience in C++ software development across desktop and embedded systems; - Experienced with 15+ commercial projects in automotive, fintech, and embedded domains; - Skilled in C++, Qt, QML, Python, and experience with JavaScript, Lua, and TypeScript for cross-platform applications; - Skilled in REST API, HTTP, VoIP, SIP, and DICOM integrations; - Experience with GitLab, Jenkins, Azure, TFS, SVN, CodeBlocks, QtCreator, and Visual Studio across Windows, Linux, and Mac environments; - Solid understanding of SDLC, clean architecture, software optimization, and code refactoring for performance and maintainability; - Experienced in mentoring team members, code reviews, and ensuring adherence to best engineering practices.

TECHNICAL SKILLS

Main Technical Skills	C++, Qt Framework, Python, PostgreSQL
Programming Languages	C++, JavaScript, Lua, Python, TypeScript
C++ Frameworks	Boost
Java Libraries and Tools	JSON
Python Libraries and Tools	PyQt
Databases & Management Systems / ORM	PostgreSQL, SQL
Cloud Platforms, Services & Computing	Azure
Azure Cloud Services	Azure Blockchain
Industry Domain Experience	Automotive, Fintech
SDK / API and Integrations	API
Blockchain and Decentralized Software	Azure Blockchain, Web3
Platforms	CUDA
Virtualization, Containers and Orchestration	Docker, Docker Swarm
Methodologies, Paradigms and Patterns	FDD, microservices, Observer, OOP, REST, SDLC, SOLID

Version Control	GitLab, Perforce, SVN
Mail / Network Protocols / Data transfer	GRPC, HTTP, VoIP
Deployment, CI/CD & Administration	Jenkins
Operating Systems	Linux, macOS, Windows
QA, Test Automation, Security	Postman, TFS
Web/App Servers, Middleware	Qml
Third Party Tools / IDEs / SDK / Services	Qt Framework, Visual Studio, XCode
Collaboration, Task & Issue Tracking	Redmine
Logging and Monitoring	SIP
UI/UX/Wireframing	STL
File Systems, Storage	XML
Other Technical Skills	Cocos2dx-GUI, crypto prj, Data Structures, Desktop, DICOM, Embedded Systems, Juce, Multithread, PySide

WORK EXPERIENCE

C++ Software Developer, Product Company

Duration: Dec. 2022 - Present

Summary: Developed and maintained cross-platform applications using C++, Qt, QML, and Python. Implemented new product features and ensured high performance and maintainability through refactoring and optimization.

Key Responsibilities:

- Designed and developed product features with C++, Qt, QML, Python, JavaScript, and Lua;
- Integrated REST APIs, HTTP, VoIP, SIP, and DICOM protocols;
- Refactored legacy code to improve system performance and maintainability;
- Led task coordination and mentoring of other developers;
- Worked with GitLab, Jenkins, Code::Blocks, and QtCreator across Windows, Linux, and Mac environments.

Technologies: C++, Qt, QML, Python, JavaScript, Lua, REST API, HTTP, VoIP, SIP, DICOM, GitLab, Jenkins, Code::Blocks, QtCreator, Swagger, YAML.

C++ Software Developer, Outsource Company

Duration: Sept. 2020 - Dec. 2022

Summary: Contributed to multiple cross-platform and embedded projects, implementing new features and optimizing performance for C++ and Python applications.

Responsibilities:

- Built and maintained applications using C++, Qt, QML, and Python;
- Refactored and optimized existing codebases for stability and speed;
- Led development tasks and code reviews for junior engineers;
- Supported embedded systems development for hardware integration and real-time processing;
- Worked in Azure and TFS environments using Git and Visual Studio.

Technologies: C++, Qt, QML, Python, Embedded Systems, Git, Azure, TFS, Visual Studio, Windows/Linux/Mac.

C++ Software Developer, Product Company

Duration: June 2019 - Sept. 2020

Summary: Focused on application performance optimization and new feature implementation in a cross-platform environment.

Responsibilities:

- Implemented product features using C++, Qt, QML, and TypeScript;
- Fixed critical bugs to improve stability and reduce issue backlog;
- Refactored legacy code to enhance maintainability;
- Conducted code reviews and coordinated development tasks;
- Worked with SVN, Jira, and Visual Studio across Windows, Linux, and Mac systems.

Technologies: C++, Qt, QML, TypeScript, SVN, Jira, and Visual Studio.

EDUCATION

Bachelor's Degree in Software Development, DIIT University (Sept. 2017 - June 2021)