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| Christopher Masiewicz  **Senior Software Engineer** |  | [cmasiewicz@gmail.com](mailto:cmasiewicz@gmail.com) • 8472548085  [LinkedIn URL](http://www.linkedin.com/in/chris-masiewicz1) • Evanston, IL |

# Technical Proficiencies

Programming Languages: C++, C#, Java, Java JNI, Perl, Python, Objective C, Lua

Frameworks, .NET Core, Boost, ACE, ICE, LBM, ACE/TAO, Qt, WinForms, DevExpress, Refinitiv RFA, CORBA, REST API, Curl

Data Platforms: SQL, MySQL, Sybase SQL, Microsoft SQL Server, BDB, QAI,: RabbitMQ, Kafka, FIX, TCP, Multicast, DACS, SSL

Web Tech and Operating Systems: Nginx, HTML, Web, Windows, Linux, Unix, Next, Raspberry Pi

Tools: Jenkins, SonarQube, Scons, Doors

# Career Experience

IGT, Nevada (Remote) 2022 – 2024

Senior Software Engineer

High-availability casino gaming slot machine development. Agile development, Jira

* Embedded programming. UART device Raspberry Pi hardware, Windows based hardware.
* Delivered seamless cardless play with Bluetooth Low Energy integrations for mobile device connectivity.
* Supported system interoperability by implementing web-based integrations, Nginx.
* Utilized pub/sub architecture with RabbitMQ.
* Contributed to Jenkens pipelines, SonarQube static analysis. SQL.
* collaboration by working with majority offshore engineering in Mexico.
* C++, C#, and .NET Core.

Sterling Trading Technology, Chicago IL 2021 – 2022

Senior Software Engineer

Design and implanted equity and equity option order management rules, MySQL databases. Collaborated with majority offshore engineering teams in Serbia.

* Introduced unit testing. Introduced Curl to determine the result and requirements of REST API.
* Distributed programming using C++11, C++17, and C++20. Linux / Windows Qt .Kafka, MySql,, Jira

GE Healthcare, Waukesha WI 2019 – 2020

Senior Software Engineer

PET/MR imaging research and development. DOORS for requirements and traceability.

* C++, Perl, and Python for high-performance, high-availability computing.

Evaluated GPU hardware (AMD, NVIDIA). OpenCL for GPU acceleration.

TEK Systems, Chicago IL 2018 – 2019

Senior Software Engineer – Consultant, Bank of America

Developed algorithmic trading functionality by designing and adding new features allowing traders, market makers, and sales teams to enter algorithmic orders. Test-Driven Development.

* Enhanced data handling and system integration by leveraging Sybase SQL for efficient database querying and management.
* Improved trading system performance by developing server-side solutions in C++ to support high-frequency trading operations.

Transact Futures, Chicago IL 2017 – 2018

Senior Software Engineer

Transact Futures has been acquired by another firm.

* Designed and developed a new Order routing sever to CME for Eurex and libraries using C++11
* MySQL to support trading data storage and retrieval., TCP and Multicast protocols to support high-speed order transmission.

FOXO Trading, Chicago IL. 2015 – 2017

Development Lead

FOXO Trading is out of business.

Delivered critical trading capabilities Algorithmic and automated trading solutions High Frequency Trading. Kanban.

* Developed mass quotes, safety settings, ladders, and automatic delta hedger for CME market makers.
* Collaborated extensively with traders and risk managers to ensure trading solutions met business objectives and regulatory requirements
* Coordinated development efforts for internal teams and external contractors.
* Improved trading system performance.
* Coss-platform development using C++11, C#, WinForms, Windows/CLI code, Perl, Boost, and FIX and BE FIX protocols, TCP/IP

Magnetar Capital, Evanston IL 2007 – 2014

Senior Developer, Core Financial Services

Magnetar Capital is a Hedge Fund.

* Primary developer of real-time and delayed market data distribution. Reuters/Refinitiv RFA DACS and open DACS solutions.
* Wrote historical data service in C++ Corporate actions and historical analytics. In C#.
* Managed C++ coding for tick data with bdb.
* Enhanced data accuracy by developing historical data server incorporating corporate action calculations.
* Deal bocks, carve-outs, account and fund structure, and security master data.
* Cross-platform n-tier development using C++, C#, ACE, Boost, ICE, SQL, and QAI. DevExpress Windows C++/CLI, , Pythons/Scons build s system. Lua configurations

**Advient Inc, Chicago IL 2003 - 2007**

**President, Software Engineering**

Clients:

* Esssex-Radez: Market Data, C+/XML, MacOS.
* Ronin Capital: High Frequency stock trading. , C++, Cobra, Qt.
* WH Trading: High Frequency CME Eurodollar trading, C++, Qt, Integrations with third party systems.

# Additional Experience

Vice President, Trading Systems Development, Chicago IL Hull Trading Company/Goldman Sachs. Chicago, IL Options System Development. Refactoring of system to prevent circular dependencies. Implemented FLEX trades. C++, Solaris

Senior software Engineer. iManage, Chicago IL, Servlet, Java, HTML, JBDC

Lead software Engineer CME, Chicago, IL. C++, User meetings, meetings with other exchanges, C++

Senior Software Engineer, Evanston IL Trading Technologies, Evanston IL. C++, C, Java JNI

Vice President & Team Lead, Credit Risk, Chicago IL. Nations Banc Chicago Research and Trading. Chicago, IL Petl,Web, Java Web development.

Senior Software Engineer, NY, NY Trading decision group. C++ and GUI development.

Member of Technical Staff Bellcore, Piscataway NJ Custom network database. Other projects related to telephony. C, C++

# Education

### **Master of Computer Science**, University of Illinois Urbana-Champaign

### **Bachelor of Science in Computer Science,** University of Illinois Urbana-Champaign