

POURIA JAMALI

C# / .NET Backend Engineer | Financial Software

Tehran, Iran

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PROFESSIONAL SUMMARY

Financial-software engineer with a career spanning payment systems and trading applications since 2014. Focused on C#/ASP.NET Core, SQL Server and back-office modernization, translating business requirements into backend services and user-facing features. Uses AI-assisted development and independent research workflows.

SELECTED ENGINEERING IMPACT

- **Production scale - SEP:** Contributed to the team that increased live payment-switch throughput from **1,000 to 5,000 transactions per second (5x)**.
- **Trading development:** Built approximately **400 distinct strategies and indicators**, totaling around **1,300 implementations including variants**, at the current startup.

TECHNICAL SKILLS

Backend: C# · .NET Core · ASP.NET Core · ASP.NET MVC · .NET Framework · REST · SOAP

Data and design: SQL Server · Dapper · Entity Framework / EF Core · RabbitMQ · Onion / MVC

Engineering: OOP · Design patterns · Async · Dependency injection · DDD familiarity

Additional: C++ · C · JavaScript · HTML · CSS · TFVC/TFS · GitHub · GitLab

Trading: TT SDK · MultiCharts .NET · Pine Script · Python backtesting · OnixS MDP 3.0 / iLink 3 (in progress)

PROFESSIONAL EXPERIENCE

Trading Systems Developer

Confidential Trading Startup | Apr 2023 - Present | Remote

- Translate futures strategies from MultiCharts .NET backtesting into C#/.NET TT implementations, using price subscriptions and Time & Sales events.
- Implement event-driven order handling for updates, cancellations and fills; prevent duplicate orders using tracked order IDs, prices and trading levels.
- Enforce pre-trade position limits against filled positions plus outstanding orders, blocking new orders when combined exposure reaches the configured limit.
- Build automated emergency controls and a separate RabbitMQ-based monitoring application to monitor accounts/orders, raise alerts, cancel orders, command strategy shutdown and close positions.
- Validate through backtesting, TT simulation and staged live testing on micro before larger contracts. Use application/TT logs and response-time observations; .NET Core for testing and .NET Framework for live execution.
- Develop TradingView/Pine Script indicators, strategies, backtests, alerts and execution integrations.
- Contribute to Python backtesting tools for HFT research and C++ trading development; implement CME MDP 3.0 market-data and iLink 3 connectivity via OnixS (in progress).

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PROFESSIONAL EXPERIENCE CONTINUED

Software Engineer

Saman Electronic Payment (SEP) | Mar 2021 - Apr 2023

Payment switch and back-office development; internal promotion from the POS team.

- Migrated back-office applications to .NET Core and implemented C#/ASP.NET Core backend functionality with SQL Server, Dapper and Entity Framework / EF Core.
- Translated requests from merchant and customer support into backend features and JavaScript, HTML and CSS interface changes; reviewed payment-business requirements and Shaparak rules.
- Worked with REST/SOAP services, Onion and MVC architectures, asynchronous programming and dependency injection in payment-system development.

C/C++ Developer

Saman Electronic Payment (SEP) | Oct 2018 - Mar 2021

- Developed C/C++ point-of-sale (POS) software and contributed to PC-POS applications in C#/.NET Framework, covering terminal-side and PC-side software.
- Designed and implemented a PC-POS communication protocol at bit and packet level, working with both serial and network-cable connections.

POS Software Developer

Behpardakht Mellat | Sep 2017 - Sep 2018

- Developed POS software in C/C++ and PC-POS applications in C#, with work on AMP devices, PAX SP20 PIN pads and Ingenico terminals.

POS Developer

Infotech International Group | Feb 2016 - Sep 2017

- Developed C applications for POS/mobile POS (M35, Ingenico and Landi), PC-POS software in C#, and worked with Eclipse and Qt on payment-device projects.

App Developer

Samaneh Electronic Ansar (SEA) | Oct 2014 - Feb 2016

- Developed POS applications in C and PC-POS in C# for PAX D200, R50 and S80/800; contributed to smart-card offline payments, a cashless-device project and payment-device R&D.

INDEPENDENT PROJECT

AI-Assisted Trading Research | Independent Project

- Build independent crypto-research workflows with structured prompts, restricted chart context, versioned instructions and historical replay including transaction costs; record decisions before later data is revealed. Separate from employer activity.

EDUCATION

Master's degree | Computer Systems Networking and Telecommunications

Islamic Azad University, Science and Research Branch | 2014 - 2016

Bachelor's degree | Information Technology

University of Kurdistan, Sanandaj | 2009 - 2013

LANGUAGES

English: Intermediate | Persian and Kurdish: Native or bilingual