



Mohammad Zarif

Software Developer | Back-End Developer

DoB: March 1996
Marital Status: Single
Military Status: Served

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Iran - Mashhad

Skills

- Python
- Dart & Flutter
- Mql 4/5
- .Net & C#
- Git
- Docker
- DevOps

Language

Persian	Mother tongue
English	B1
Germany	A1

Principles and Practices

- SOLID
- OOP
- DRY
- KISS
- DI
- YANGI
- Clean Code
- Design Pattern

Social Links

GitHub

github.com/CtrlAltDevelop

With over 9 years of experience in software development, I specialize in both front-end and back-end development. I've collaborated effectively with freelance teams and company-based teams, contributing to a wide range of projects. I am committed to continuous learning and skill development, enabling me to confidently take on new challenges and deliver meaningful, impactful solutions.

MBTI: INFJ-A - DISC: CD

Experience

- Senior Flutter Developer

DeltaFx Broker (Mashhad)

Feb 2026 - Present

Sole Senior developer on DeltaFX CRM, a cross-platform (iOS/Android) client portal for a forex brokerage, covering wallet, trading accounts, IB/affiliate management, social trading, AI market analysis, and support.

Architected the app on Clean Architecture + BLoC with get_it DI — 11 feature modules, 151 use cases, and 63 BLoCs across a 118K-LOC codebase, with a typed Result<Ok/Err> boundary replacing exception-based error flow.

Built the networking layer on Dio + Retrofit with a Swagger-driven code-generation pipeline, producing ~190K LOC of type-safe API clients and dart_mappable models; added a Dio interceptor chain for auth, transparent 401 token refresh, response-envelope unwrapping, and logging.

Delivered core brokerage features end to end: deposits/withdrawals/transfers with address whitelisting, demo & live account management, IB rebate/network/installment dashboards, ProTrader social-trading follow flows, and AI-assisted chart analysis.

Implemented full localization (1,715 keys, zero hardcoded strings) and a Figma-token-driven design system generated into typed Dart theme code, keeping design and app in lockstep.

Set up multi-environment builds (dev/sandbox/production) and GitHub Actions CI running flutter analyze + tests on every PR with automatic APK/iOS artifact releases per branch.

Enforced engineering standards across the codebase — zero-warning static analysis, a custom Dart analyzer plugin for project-specific lint rules, Conventional Commits, and 132 unit/BLoC test suites.
- Senior Flutter Developer (Remote)

BTCB (Amatis Dadeh Exchange) (UAE, Dubai)

August 2025 - March 2026

Contributed to the development of a multi-platform trading application delivering real-time market capabilities and secure financial operations. Key features and responsibilities include:

- Implemented real-time market data, advanced charting, and trading interfaces for Futures, Spot, and OTC markets.
 - Built secure authentication flows: Registration, Login, Apple Sign-In, Google Sign-In, JWT authentication, 2FA, DPoP token security, and passkey support.
 - Applied Clean Architecture using Bloc, Designed multi-theme UI (Dark/Light), smooth animations, and support for 9 languages.

Senior Application and Backend Developer (remote)

Alpha Niro (Germany, Berlin)

November 2024 - August 2025

- Developed a complete REST API secured with a two-way encrypted token system, along with an administration panel for system management.
- Optimized and re-engineered background data processing pipelines, reducing heavy analytics tasks from 7 days to 2 hours.
- Created multiple MQL scripts to enable communication with trading platforms, extract market data, and trigger backend actions.
- Automated data processing, testing workflows, and documentation generation to eliminate manual errors and standardize output across different test environments.

Application and Backend Developer

Bull-x-Bear Holding (Istanbul, Turkey)

March 2020 - July 2023

Full Accounting Software Suite

- Engineered comprehensive accounting software utilizing Python and C#.
- Developed distinct administration and management panels to oversee financial operations, user access, and reporting.
- Implemented core accounting modules including general ledger, accounts payable/receivable, and financial statement generation.

Investor Management Mobile Application

- Developed a native Flutter application designed for investors to efficiently view and manage their portfolios.
- Integrated real-time market data and secure APIs for seamless investment tracking and transaction processing.
- Designed an intuitive user interface for clear data visualization and simplified investment management.

Employee Performance Automation System

- Created an automated system to calculate employee performance metrics, providing clear insights into productivity and activity levels.
- Developed algorithms to track key performance indicators (KPIs), identify areas for improvement, and support data-driven management decisions.
- Streamlined activity tracking and reporting processes to enhance transparency and efficiency for employees and management.

Application and Backend Developer

FreeLancer (Mashhad, Iran)

July 2023 - November 2024

Traia – Copy-Trading & AI-Driven Trading Assistant

- Built a copy-trading platform with advanced gamification features to enhance user engagement.
- Developed an AI-powered trading assistant that analyzes user trade history using 1500+ key factors and neural-network-based models to provide insights and recommendations.
- Implemented secure data pipelines and behavioral analytics to improve prediction accuracy and user performance tracking.

Vu1 – Event-Oriented Social Platform

- Developed a multi-purpose event networking app for weddings, birthdays, and parties.
- Built using Flutter (frontend) and Python (backend), supporting event creation, sharing, and real-time interactions.
- Designed user flows optimized for social engagement and seamless event management.

Backend Developer

Katana Co. (Mashhad, Iran)

September 2018 - March 2020

Automated Trading Robots & Financial Optimization

- Developed proprietary trading robots using MQL and Python, designed to execute trades automatically based on predefined strategies.
- Successfully implemented these robots, leading to a significant improvement in financial profit by up to 15% for the company.
- Conducted extensive backtesting and optimization to maximize performance and minimize risk.

Accounting Application for Trading Robots

- Engineered a dedicated accounting application to manage the financial activities of trading robots.
- Automated data collection from trading platforms to ensure accurate and real-time tracking of all transactions.
- Developed robust modules for profit/loss calculation, capital management, and performance reporting, providing clear financial oversight.



Education

● Bachelor of Science in Biomedical Engineering

- Bio Electric

Khavaran Institute of Higher Education

2014 - 2018

Final Project:

Early Diagnosis of Alzheimer's Diseases Using a Neural Networks and Genetic Algorithm, 08/2019.

GPA: 17.6/20



Awards

● Third place in the 6th CanSat small satellite building competition (2019)

● Top Student in Biomedical Engineering at the University (2017 and 2018)

● Most active student award in the university (2016)
2016

● Head of the Robotics and Biomedical Engineering Laboratory (2017 and 2018)

● Secretary of the Scientific association (2016 and 2017)



Papers

● Early Diagnosis of Alzheimer's Diseases Using a Combination of Images Processing and Brain Signals
International Journal of Biomedical and Biological Engineering (ISI)
12/2018

● Speech Accuracy Detection Using Psychophysiological Signals Based on Nonlinear Methods
National Conference on Electrical, Electronical, Biomedical Engineering, and Sustainable land
11/2016

● Research and Analysis on Android-Based Applications in the Health sectors
National Conference on Sustainable land, Novel Research in Electrical and Biomedical Engineering
01/2016

● Epilepsy Diseases Detection using Cross-Correlation with Support Vector Machine for Brain Signal Classification
13th Symposium of Advances in Science and Technology
04/2017

● Identification of Parkinson's Disease Stages through Brain Signal Analysis and Processing
12th Symposium of Advances in Science and Technology
04/2016