

PROFILE SUMMARY

Self-taught quantitative and native-app developer who independently designed and built PMQuant — a fully autonomous 24/7 crypto trading system live on BloFin (500+ positions), MacAmp, a native macOS media player, and PMBridge, a native iOS live-conversation translation app. Specialising in ICT/SMC methodology, ML-augmented trade filtering, on-device Speech/Translation pipelines, and the full project lifecycle: strategy design, live deployment, auditing, and ongoing optimisation — increasingly using AI coding agents as a deliberate part of that workflow, not just as an experiment.

KEY PROJECT — PMQUANT TRADING BOT (2026 – PRESENT)

- Multi-timeframe engine: 1H / 4H / 1D
- ICT/SMC confluence scoring system
- ML pipeline: GradientBoostingClassifier
- Full position lifecycle & breakeven logic
- Real-time P&L, trade journal, instant alerts
- BTC Cycle Awareness & regime detection
- Supply/Demand zones, FVG, BOS/CHoCH detection
- Counter-trend filters + ADX-based penalty
- 24 features, cross-validation, auto-retrain
- Telegram bot with live reports & commands
- Market Filter — 8 sentiment data sources
- VPS deployment — Oracle Cloud, 24/7 uptime

KEY PROJECT — MACAMP, NATIVE MACOS MEDIA PLAYER (2026)

- SwiftUI-native macOS app, Winamp-inspired UI
- Real-time FFT spectrum via Accelerate framework
- Full subtitle pipeline: SRT/VTT/MicroDVD/MPL2
- Dual playback engine: AVAudioEngine + VLCKit
- 10-band parametric EQ, custom AppKit windowing
- True fullscreen + floating video window w/ hover UI

KEY PROJECT — PMBRIDGE, NATIVE IOS TRANSLATION APP (2026)

- 100% on-device Speech + Translation frameworks
- Real-time silence detection & sentence queueing
- Targets a language gap in Apple's own Live Translation
- Live, hands-free conversation translation mode
- Voice-reactive glassmorphism UI, live RMS metering
- Zero server cost — offline-first, no subscription model

TECHNICAL SKILLS

Python

pandas

numpy

scikit-learn

GradientBoosting

asyncio

aiohttp

REST API Integration

Telegram Bot API

Crypto Exchange APIs

OAuth 1.0a

Algorithmic Trading

ICT / SMC Analysis

Risk Management

Backtesting

Data Analysis

Linux / VPS

Git

JSON / CSV data pipelines

python-docx

reportlab

Swift

SwiftUI

AppKit

AVFoundation

Accelerate / DSP

Speech

Translation Framework

SERVICES I OFFER

- Custom Trading Bot Development** — Python bots for Binance, Bybit, OKX, BloFin — any strategy
- Strategy Automation & Backtesting** — ICT/SMC, indicators, ML filters — coded and tested
- REST API Integration** — Crypto Exchange APIs (Perpetuals, Spot, Futures) — order management & reporting
- Native macOS & iOS App Development** — SwiftUI, AppKit, Speech/Translation, real-time audio/video — from prototype to shipped app

LANGUAGES

Polish · Native
English · Professional Working Proficiency (C1)