Chief Risk Officer (CRO)

About Gainr Protocol
Gainr Protocol is the AI-powered, Solana-based infrastructure layer for compliant sports betting and prediction markets. Built around a **dual-token architecture**, **ZK-based identity**, **treasury-backed liquidity**, and a **four-layer AI system**, Gainr powers multiple native dApps—**Back.bet**, **Price.bet**, and **Pick.bet**—all sharing the same riskless peer-to-pool infrastructure, deep liquidity, and compliance-ready operational stack.

The protocol integrates a professional trading syndicate (**Gainr Analytics**) directly into the AI and pricing engine, creating a compounding data and liquidity moat impossible for competitors to replicate.

Why This Role Matters
Gainr operates across **event-driven, high-volatility, multi-jurisdictional betting markets** where risk must be controlled across:

- **Peer-to-pool engines**
- **Order-book-style markets**
- **Treasury-funded LaaS liquidity provisioning**
- **Syndicate-fed predictive intelligence**
- **Regulated, audited environments requiring explainability & traceability**

The CRO will architect the **entire quantitative, regulatory, treasury, and model-risk framework** that protects the protocol, users, and liquidity providers while enabling fair, real-time, and scalable markets.

Your Mission
Owning **end-to-end protocol risk**, spanning liquidity, treasury, model governance, compliance, and system-wide resilience.

Risk Architecture & Operating Model

- Build the **protocol-wide risk framework** covering peer-to-pool, prediction markets, and syndicate-integrated models.
- Define **reserve ratios, liability caps, exposure thresholds, halting conditions, slippage logic, circuit breakers**, and fairness protections.
- Create model-risk governance for AI layers: prompt-based systems, fine-tuned models, hybrid intelligence, and System-2 reasoning engines.
- Establish **explainability standards** aligned with ISO **42001** (AI governance) and **27001** (information security).

Liquidity-as-a-Service (LaaS) & Exposure Management

Work directly with engineering on Gainr's LaaS architecture:

- **Reserve Controller:** PID-based rebalancing of pool skew and automatic liquidity adjustments.

Hiring organization
Gainr XYZ

Industry
Web3 / iGaming / AI / DeFi

Working Hours
25–50 hrs/week (token grants calculated via hours factor on a 50-hour week)

Base Salary
12,000

Date posted
December 14, 2025

- **Exposure Manager:** Define atomic insolvency-protection checks for every transaction.
- **Reserve Quoter:** Approve price-locked quotes for large wagers and protect against front-running.
- Build stress-adaptive rules for **deep, unified, cross-dApp liquidity**.

Pricing, AI Integration & Syndicate Intelligence

- Integrate AI-generated models (value detection, fair-price estimation, next-click prediction) with pool and order book pricing.
- Oversee integration of **Gainr Analytics syndicate signals** while protecting IP through post-settlement reveal mechanisms.
- Design pricing frameworks that incorporate:
    - Real-time oracle feeds
    - In-play volatility
    - Micro-market exposure
    - Sharp-flow detection
    - Automated hedging & smart treasury routing

AI & Model Risk Governance

- Lead validation and monitoring across all four AI layers (prompting → fine-tuning → hybrid → reasoning).
- Develop fallback systems for oracle delays, data corruption, model drift, or adversarial conditions.
- Ensure MCP-based AI microservices are validated, logged, and auditable.
- Define kill-switches, shadow models, and back-up rules-based curves.

Treasury Protection & Stress Testing

- Design capital buffers, collateralization policies, and diversification guidelines for treasury-held stablecoins and reserve assets.
- Implement **Monte Carlo**, regime-shift simulations, fat-tail modelling, and scenario libraries (injuries, manipulation, late-breaking news).
- Oversee solvency tests across the betting cycle: pre-match, in-play, sharp-flow spikes.

Compliance-First Risk Controls

- Align all market mechanics with **global iGaming licensing frameworks** (Isle of Man, Malta, UKGC, Curaçao, Cyprus).
- Ensure risk logic supports ZK-KYC, geo-fencing, AML/CTF controls, and responsible gaming requirements.
- Maintain separation between:
    - **BET (internal non-transferable betting token)**
    - **$GAINR token (utility, access, buyback economics)**
- Guarantee that treasury behaviour, token flows, and liquidity operations remain **non-securitized**.

Security, Audit & Oracle Integrity

- Own risk sign-off for all deployments, audits, and upgrades (with time-locked governance).
- Oversee bonded multi-signer oracle networks, pause conditions, and fail-over routes.
- Collaborate on continuous penetration testing, bug bounty, incident response, and protocol-level monitoring.

What We Are Looking For
Qualifications

- Advanced quantitative degree or FRM qualified.

Experience

- 10+ years in **quantitative risk**, ideally across:
    - Market-making (crypto or traditional)
    - Parimutuel systems
    - AMM/DeFi architecture
    - Sports betting markets or event-driven risk
- Experience with **on-chain systems**, oracle frameworks, and smart-contract risk.

Technical Skills

- Strong command of:
    - Stochastic modelling, Monte Carlo, limit-order/AMM mechanics
    - Liquidity modelling & microstructure
    - AI model risk assessment & interpretability tools
- Proficiency in **Python/R/MATLAB**, as well as understanding how risk constraints map to Solana program interfaces.

Domain & Governance

- Familiarity with global iGaming licensing, KYC/AML, responsible gaming frameworks.
- Experience writing **risk policies, exposure guidelines, model governance charters**, and chairing risk committees.

Traits

- First-principles thinker
- Automation bias
- Excellent communicator capable of bridging Quant ⇄ AI ⇄ Engineering ⇄ Compliance

What We Offer

- **€12,000/month in $GAINR tokens + equity** (per [Compensation Policy – Gainr Analytics](#))
- Ownership of the **risk brain** of a multi-dApp, AI-native ecosystem
- Work with world-class quants, AI researchers, and blockchain engineers
- Fully remote, globally distributed team

About Gainr Analytics
Gainr Analytics is a professional sports trading syndicate providing the proprietary datasets, trading flow, and predictive models that power the protocol's AI and pricing engines.