

DIMITAR PRODROMOV

Middle/Strong Middle Backend Engineer

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Sofia, Bulgaria

Backend Engineer with 4+ years of experience working in high-pace Product Companies (Gaming/Betting). Specialized in building **High-Load, Multithreaded systems** that handle millions of users. Deep expertise in **SQL Optimization**, **Kafka** integrations, and **WebSockets**. Passionate about writing clean, testable code and optimizing system performance (Metrics/Profiling).

TECHNICAL STACK

Java Core / Multithreading

Spring Boot

Kafka / Event-Driven

PostgreSQL / SQL Optimization

WebSockets / Socket.io

Docker / GCP

ELK / Grafana

PROFESSIONAL EXPERIENCE

Backend Engineer (Multithreading Focus) // QANTUM VORTEX (R&D)

2023 — Present

- Designed a **High-Load HFT (High-Frequency Trading) Engine** using advanced Concurrency patterns to process 10k+ events/sec without race conditions.
- Implemented **WebSocket Connectors** (Netty-based architecture) for real-time data streaming from Binance, ensuring <10ms processing latency.
- Optimized **PostgreSQL** queries and indexing strategies to handle high-volume write operations during market volatility (similar to transaction spikes).
- Integrated **Telegram Intelligence** via REST APIs, handling asynchronous notifications and alerts.
- Configured **Docker** containers for scalable deployment across cloud environments.

Software Engineer (Automated Systems) // DRAFTKINGS INC.

2021 — 2023

- Contributed to the core backend services of a global **Sportsbook Platform**, ensuring stability during peak load events (Super Bowl).
 - Worked with **Kafka** for asynchronous messaging between Betting Engine and Wallet Services, ensuring data consistency.
 - Participated in **Cross-Functional Teams** (Product, QA, Ops) to deliver features like "Cash Out" and "Live Betting".
 - Performed **Troubleshooting & Profiling** using Kibana/ELK to identify and resolve production bottlenecks.
 - Wrote extensive Unit and Integration tests to maintain high code quality and prevent regression.
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KEY COMPETENCIES

- **Multithreading:** Deep understanding of concurrent programming, locks, and thread safety.
- **Database:** Experience with complex SQL joins, indexes, and Ebean-ORM concepts.
- **Observability:** Proficient in using Metrics (Micrometer), Alerts, and Logging for diagnostics.
- **Teamwork:** Strong believer in Code Reviews and knowledge sharing within the team.