

Svyatoslav Kubakh

Senior Backend Engineer / Tech Lead

📍 Ukraine

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Summary

Senior Backend Engineer with 15+ years of software development experience and 4+ years specializing in high-throughput iGaming platforms and distributed systems. Strong expertise in Node.js/TypeScript and PHP, designing low-latency microservices, fault-tolerant transactional balance systems, and real-time game engines. Actively leverage AI coding agents (Claude Code, Antigravity, Cursor, OpenCode) to accelerate development velocity and code quality. Proven track record in scaling high-throughput architectures and driving engineering excellence.

Experience

ELA Games (BrainRocket), Senior Backend Developer

Dec 2021 – present
4 years 9 months

- Technologies: Node.js, TypeScript (NestJS, Express), MySQL, Redis, WebSockets, Docker, Kubernetes, GitLab CI
- Designed and implemented core game server engines featuring diverse game mechanics (RNG, RTP calculations, crash algorithms, reel/symbol generation, game state machines)
- Integrated game server services with casino platform APIs and aggregator protocols (supporting Seamless and Transfer Wallet workflows)
- Handled in-game bet and win processing, ensuring idempotency and preventing race conditions during high-frequency gameplay
- Built low-latency real-time game communication services using WebSockets, ensuring seamless state synchronization and stability during traffic spikes
- Optimized database layer (MySQL) with query tuning and indexing, combined with Redis for session states and high-performance caching
- Conducted code reviews, enforced Clean Architecture and SOLID principles, mentored engineers, and contributed to CI/CD automation

Toplyvo UA, Backend Developer / Team Lead

June 2020 – Dec 2021
1 year 7 months

- Technologies: PHP 7.4 (Symfony), Node.js (NestJS), PostgreSQL, MySQL, Redis, Microservices, Docker, GitHub Actions, Jenkins
- Architected mission-critical integration services with major nationwide fuel station chains (OKKO, WOG, BRSM, etc.) for real-time mobile fueling and transaction processing
- Led backend engineering team (5+ developers), defining architectural standards, code reviews, and sprint planning
- Eliminated highload bottlenecks and resolved production incidents, drastically improving system reliability and fault tolerance
- Optimized PostgreSQL database performance and implemented asynchronous queue processing for high-volume B2B/B2C operations
- Automated CI/CD pipelines with Docker and GitHub Actions, speeding up release cycles

ExtraWest, Backend Developer / Technical Lead

May 2018 – Aug 2020
2 years 4 months

- Technologies: PHP (Symfony, Laravel, Yii2), Node.js/TypeScript (NestJS, Express), PostgreSQL, MongoDB, Docker, AWS, GCP, GitLab CI
- Developed scalable backend architectures and REST/gRPC API integrations for international client projects
- Designed distributed business workflows, database schemas, and multi-tenant systems
- Mentored junior and middle developers, conducted technical interviews, and configured CI/CD deployments

TemplateMonster , Senior Backend Developer - Technologies: PHP, MySQL, Redis, Memcached, REST APIs, Payment Gateways, High-load Architecture, Git - Engineered core marketplace services processing millions of global monthly visitors, digital product purchases, and secure digital asset delivery via CDN - Integrated global multi-currency payment gateways (PayPal, Stripe, 2Checkout) and billing processors with automated anti-fraud validation - Developed a high-volume affiliate tracking engine managing real-time referral attribution, multi-tier commissions, and payouts - Scaled MySQL database performance (master-slave replication, query tuning) and implemented multi-level caching (Redis, Memcached) - Mentored junior engineers and contributed to company-wide backend architecture and engineering standards	Feb 2008 – Apr 2018 10 years 3 months
ALAN-Technologies / PrivatBank / Shturval , Software Engineer / Team Lead - Technologies: PHP, MySQL, Oracle, Sybase, Linux, Client-Server Architecture - Engineered enterprise software solutions, banking automation systems, distributed database applications, and internal corporate portals	Jan 2001 – Jan 2008 7 years 1 month

Technologies

- Languages & Runtimes:** TypeScript, JavaScript (Node.js), PHP (8.x / 7.x), Shell Scripting, SQL
- Frameworks & Libraries:** NestJS, Fastify, Express.js, Symfony, Laravel, Yii2, Jest, PHPUnit
- Databases & Caching:** PostgreSQL, MySQL / MariaDB, Redis (Cluster, Caching, Pub/Sub, Locks), MongoDB, ClickHouse, Elasticsearch
- Architecture & Protocols:** Microservices, Distributed Systems, Highload & Low Latency, Event-Driven, gRPC, Web-Sockets, REST API, ACID Transactions
- DevOps & Cloud:** Docker & Docker Compose, Kubernetes, Helm, GitLab CI, GitHub Actions, Jenkins, Linux (Ubuntu/Debian), Nginx, AWS, DigitalOcean
- Engineering Practices:** Clean Architecture, SOLID, Design Patterns, TDD, Agile / Scrum (Jira), Code Review, System Design
- AI-Assisted Engineering:** Claude Code, Antigravity, Cursor, OpenCode, Agentic Workflows, LLM Prompt Engineering

Education

Ukrainian State Maritime Technical University , System Analyst Engineer Specialization in Information Operating Systems and Technologies	Mykolayiv, Ukraine Feb 2005
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Languages

- English:** Intermediate (B1) — Technical and professional working proficiency
- Ukrainian:** Native