

OLEKSANDR VORONA

Principal Software Developer

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PROFESSIONAL SUMMARY

Software engineer with nearly 15 years of experience designing and delivering high-load backend systems, primarily in ad tech and marketing platforms. Deep expertise in RTB bidders and exchanges, low-latency microservices, SQL optimization, and production performance engineering. Combines strong architecture and hands-on implementation with cross-functional leadership and business-focused delivery.

CORE COMPETENCIES

- Java, Spring Framework, Spring Boot, REST APIs, microservices, gRPC
- MySQL, PostgreSQL, SQLite, MongoDB, Redis, Memcached, HBase, Aerospike
- High-throughput system design, query tuning, indexing strategy, low-latency optimization
- Kafka, RabbitMQ, Docker, Docker Compose, AWS, DigitalOcean
- JavaScript, TypeScript, React, Redux Toolkit, HTML, CSS
- AI/ML integration, data science workflows, Git/GitHub/GitLab, Maven

PROFESSIONAL EXPERIENCE

EPOM RTB | Principal Software Developer | Feb 2018 - Present

- Architected and delivered core RTB platform capabilities under strict latency and throughput constraints.
- Developed AI-driven optimization components for bidding, pacing, and budget allocation using real-time signals.
- Drove end-to-end performance engineering across services and data pipelines to meet demanding SLA targets.
- Led backend architecture decisions for reliable operation under high request volumes and burst traffic.

EPOM Ad Server | Development Team Lead | Feb 2017 - Feb 2018

- Led a cross-functional team of 6 specialists: 3 backend developers, 1 frontend developer, 2 QA engineers.
- Owned sprint planning, prioritization, execution control, and release quality.
- Improved delivery predictability and collaboration by defining clear technical and QA processes.
- Mentored engineers and maintained quality through code reviews and delivery-focused communication.

EPOM Ad Server | Senior Software Developer | Jan 2012 - Feb 2017

- Designed and delivered high-load backend services and microservice APIs for ad-tech products.
- Optimized SQL-heavy data flows and critical execution paths for real-time bidding workloads.
- Improved runtime efficiency and stability through profiling, refactoring, and indexing strategy updates.
- Owned full delivery lifecycle from requirements and architecture to release and post-production support.

EDUCATION

- MSc, Software Engineering (with honors), National Technical University of Ukraine "Kharkiv Polytechnic Institute" (Sep 2023 - Dec 2024)
- BSc, Data Science and Artificial Intelligence, National Technical University of Ukraine "Igor Sikorsky Kyiv Polytechnic Institute" (Sep 2022 - Jun 2025)
- MSc, Radiophysics and Electronics (with honors), Taras Shevchenko National University of Kyiv (Sep 2009)

- Jun 2011)
- BSc, Applied Physics, Taras Shevchenko National University of Kyiv (Sep 2005 - Jun 2009)
- Certificate of Secondary Education, Ukrainian Physics and Mathematics Lyceum (Sep 2002 - Jun 2005)

CERTIFICATIONS

- Oracle Certified Java SE 8 Associate (Credly badge)
- CCNA Routing & Switching
- Front End Development (Hillel IT School)
- React Application Development (Hillel IT School)

LANGUAGES

Ukrainian (native), Russian (fluent), English (professional), German (working), Slovak (working), Estonian (intermediate)