

Alexey Bogdanov

Senior Infrastructure & Reliability Lead (SRE) | Lead Infrastructure Engineer

DevOps | Database Reliability | Cloud and Hybrid Architecture

Remote | Currently: Turkey (UTC+3) | CET-friendly and Americas overlap (flexible)

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SUMMARY

Senior Hands-on Technical IT Operations Lead (SRE) with 15+ years of experience acting as a strategic partner to the CTO in fast-moving Fintech environments. Bridges the gap between Enterprise Banking Reliability (HSBC, VTB) and Fintech Startup Agility. **Generalist Troubleshooter** and **Technical Orchestrator** who prioritizes pragmatic, stable architecture over hype. Specializes in **Hybrid Infrastructure** (Cloud + On-Prem), Database Reliability, and Incident Management for SMBs where cost-efficiency and uptime are critical. Goes beyond tool maintenance to solve complex cross-domain problems - from network bottlenecks to business logic failures - using an investigative, research-driven approach.

Owens end-to-end production lifecycle: from **Reliability** (Incident response, Postmortems) and **Delivery** (CI/CD, Release Governance) to **Cost** (FinOps, Right-sizing) and **Security** (IAM, secrets and access governance, perimeter controls, WAF). Builds operational mechanisms and personally executes complex troubleshooting to translate technical risks into business growth maintaining readiness to communicate trade-offs in stakeholder language.

CORE COMPETENCIES & TECH STACK

Domain	Focus Areas & Tools
Reliability & Ops	Incident Command (PagerDuty), RCA, Capacity Planning, Linux/Windows, Python/Bash/PowerShell
Cloud & Edge	AWS (EC2, ECS/Fargate, IAM), GCP, Docker, Nginx, Cloudflare (WAF/DNS), NetApp, Render/Heroku
DevOps & CI/CD	GitHub Actions, TeamCity, Fastlane, Terraform, Ansible, n8n, Kafka, Blue-Green Deployment Strategies
Database (DBRE)	Oracle RDBMS, PostgreSQL, MySQL, Redis, MongoDB, MetaTrader (MT5) Clusters
Observability	Vector to Axiom (Logging), Prometheus/Grafana, Sentry. <i>Focus on business-impact metrics</i>
Growth Ops	Email Deliverability (SPF/DKIM/DMARC), Marketing and BI Integrations, TG Bots, CRM Data Flows
IT Admin & SaaS	Google Workspace, Jira/Confluence, Notion, Slack Admin, Zoho, Access Governance, SIEM, AppSec

PROFESSIONAL EXPERIENCE

Head of IT Operations & Reliability Architect (Reported to CTO) [Contract]

Nov 2023 - Jan 2026

Amega Group (Findeavour), Cyprus | Remote

Directed end-to-end production engineering for a multi-product Fintech platform, managing hybrid infrastructure (AWS, On-Prem MT5 clusters) and leading the technical operations roadmap (with a period of concurrent engagement during HSBC wind-down).

Production Leadership: Built and led a lean operations function from scratch; defined incident response protocols (PagerDuty/On-Call), hired engineering talent, delegated workstreams, and established operational documentation (runbooks, postmortems) to reduce recurrence of incidents. Served as the "Senior Troubleshooter", handling complex issues that escalated beyond standard support and as the primary technical proxy for the CTO during due diligence and strategy planning.

Pragmatic Architecture: Designed from scratch all the infrastructure, including low-maintenance containerized environments using AWS ECS/Fargate, avoiding the operational overhead of Kubernetes to suit the team size and agility requirements.

DevOps & Velocity: Accelerated delivery frequency to 3x weekly production releases by architecting 30+ CI/CD pipelines (GitHub Actions/TeamCity) and enforcing blue-green deployment strategies to ensure zero-downtime rollouts for trading users.

Mobile Release Automation: Solved critical mobile delivery bottlenecks by implementing Fastlane automation for Android/iOS, managing caching steps and signing certificates, and streamlining the release process to Google Play & App Store.

Observability & SRE: Modernized the monitoring stack by implementing cloud-based tools, custom exporters, and visibility pipelines (Vector, Axiom, Prometheus, Grafana), reducing MTTR to minutes through proactive anomaly detection and alerting.

Database Reliability (DBRE): Engineered high-availability data architectures for critical CRM and Trading (MetaTrader (MT5) -based) systems; achieved an RPO of <=15 minutes via automated replication workflows/backups with documented cutover procedures for disaster recovery. Executed complex cross-platform migrations with zero data loss.

Security & FinOps: Deployed Wazuh (SIEM) and AppSec scanning to harden the infrastructure, while simultaneously enforcing cloud cost governance by implementing strict tagging policies and resource rightsizing to maintain flat costs during hyper-growth.

Some Engineering Wins (Troubleshooting & Optimization):

Stabilized Trading Platform: Diagnosed critical WebSocket instability on Windows-based MT5 clusters; identified Nginx select() connection limits and architected a horizontal scaling solution with targeted monitoring to handle peak-time traffic.

Mobile App Performance: Resolved critical login timeouts by tracing the bottleneck to a heavy Looker report coupled into the authentication flow; refactored the code path to isolate analytics from the critical path, restoring instant login speed.

Cost Reduction: Implemented Graviton/Spot instance adoption, utilizing custom Grafana dashboards to detect cost anomalies during a period of rapid infrastructure growth.

Senior Technical Lead, IT Infrastructure & Database Operations

Dec 2019 - June 2024

HSBC Bank (RR) | Russia

*Directed local branch infrastructure operations, expanding scope beyond core Database Administration to own the reliability of the full technical stack (*NIX, Storage, Virtualization), acting as the Technical Anchor and Mentor for a local engineering team.*

Infrastructure Leadership: Owned the operational stability for the local branch, serving as the primary escalation point for crisis management, incident response, and capacity planning for mission-critical banking systems. Delivered cross-platform migrations from physical servers to virtualized infrastructure, reducing hardware maintenance costs by 40%.

Systems & Database Reliability: Managed a heterogeneous production environment (Oracle, PostgreSQL, Microsoft SQL, *NIX, Windows, Virtualization, Storage and BareMetal servers), ensuring high availability through rigorous monitoring, performance tuning, automated patching, and proactive remediation of critical issues, achieving 99.99% availability for critical banking systems. Resolved bottlenecks in the local Anti-Fraud system, accelerating payment workflow processing by a 10x factor.

Business Continuity & DR: Architected and maintained cross-site Disaster Recovery (DR) solutions; regularly executed failover simulations to validate RPO/RTO targets and guarantee data integrity during outages.

Operational Excellence: Standardized monitoring approaches and incident workflows, moving the team from reactive firefighting to proactive system analysis and stability.

Operational Wind-Down (2022-2024): Co-led (planning, managing and hands-on) the technical decommissioning and safe operational shutdown of the local branch infrastructure due to market exit. Ensured zero data leaks, maintained strict regulatory compliance, and managed asset disposal until the final day of operations.

Oracle Database & Engineering Systems Administrator (Expert)

Nov 2014 - Nov 2019

VTB Bank | Russia

Supported Oracle RDBMS and Oracle Exadata platforms for 24/7 banking systems (OLTP + DWH), including card processing workloads.

Ensured availability and performance under strict uptime expectations using Oracle RAC, Data Guard, and Golden Gate.

Optimized high-load SQL performance and managed massive storage arrays for financial data.

Oracle Database Administrator (Expert)

May 2013 - Oct 2014

CBOSS Development International (LTD) | Russia

Maintained DB/middleware infrastructure under strict SLAs; delivered cross-platform data migrations and upgrades with minimal disruption.

Information Systems Administrator (Senior Specialist)

Jul 2011 - Apr 2013

Vimpelcom | Russia

Operated a mission-critical integration platform based on Informatica PowerCenter ETL; developing and optimizing enterprise data workflows.

EDUCATION

Engineer, Computer Science (Software Engineering) | MIREA Russian Technological University | Moscow

LANGUAGES

Russian (Native)

English (Professional Working Proficiency / B2-C1)