Imran Sultanov

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I'm an SRE/DevOps with hands-on experience in maintaining and improving large-scale systems. Earlier in my career, I also led small teams and guided projects, which helped me develop leadership and mentoring skills. In my most recent role, I focused on solving complex technical challenges, optimizing workflows, and automating repetitive tasks to make the platform more reliable and efficient.

I enjoy sharing knowledge and helping others understand systems and processes, and I like experimenting with personal projects to explore new tools and frameworks. I also try to keep up with tech trends, and traveling gives me fresh perspectives I can bring back to my work.

Containers & Orchestration

Kubernetes, Docker, Helm, Docker Compose

Programming & Databases

PHP, Python, JS, Redis, Elastic, MySQL, PostgreSQL, Neo4j

Monitoring

Grafana, Prometheus, Dynatrace, Tempo, Alloy, Loki, InfluxDB, Telegraf, ELK

CI/CD

Gitlab CI, Jenkins, ArgoCD, Github Actions

Web Servers

Nginx, Apache, HAProxy

Tools

Ansible, PagerDuty, Jira, RabbitMQ, Kafka, Vault, LDAP, BPMN, Camunda, Corezoid

WORK EXPERIENCE

jule.2025 -jan.2026 :: **OMNITECH | TECH LEAD**

Designed the licensing service architecture in Python:

- Built a stateless backend to support horizontal scaling
- Separated API layer from the database access layer
- Implemented REST APIs for real-time license validation by POS terminals

Containerized backend services using Docker:

- Created unified images for dev and production environments
- Ensured reproducible environments across deployments
- Enabled fast scaling and version rollouts
- PostgreSQL was deployed on dedicated hosts (not containerized) for better stability and IO control

Implemented real-time license validation logic:

- Validation based on device_id and license_key
- Checked license status and expiration dates
- Added caching for frequently requested licenses to reduce DB load
- Implemented fallback logic for temporary service unavailability

Optimized the system for high load:

- Configured connection pooling for PostgreSQL
- Optimized SQL queries
- Reduced heavy transactional operations

Configured load balancing:

- Ran multiple backend instances behind a load balancer
- Implemented health checks and automatic removal of degraded nodes
- Scaled horizontally as the POS network grew

Implemented PostgreSQL replication:

- Primary + read replicas setup
- Read operations from replicas, writes to primary
- Reduced load on the master node
- Improved overall availability and fault tolerance

Ensured system reliability:

- Stateless service design
- Fast container restarts
- Database and replica redundancy

As a Tech Lead:

- Made architectural decisions
- Conducted code reviews
- Coordinated backend and POS client team (Kotlin-based client)

Results:

- Stable operation under high request volume
- Low-latency license validation
- Scalable architecture without major redesigns
- Minimal downtime

oct.2023 -jule.2025 :: **KAPITAL BANK | SITE RELIABILITY ENGINEER**

Migration of the Dynatrace stack to Grafana products. We moved away from a paid product in favor of Grafana tools (Alloy replacing Prometheus, Tempo for tracing, Loki for logs, Mimir for storage).
The migration was done in a team of 8 people, and I gained a lot of interesting experience.
Installed various exporters for monitoring such as Git, HAProxy, Nginx, PostgreSQL, and automated host metrics collection. Mostly, the work involved installing exporters, plugins, setting up dashboards, and configuring alerts.
Worked a lot with SQL queries — the main task was to create dashboards based on queries. For example, end-of-day banking metrics, time spent, comparisons with the previous day. Also used OEM (Oracle Enterprise Manager).
Worked a lot with Kubernetes — had own clusters for observability, and several test clusters in AWS. The main tasks were installing exporters, deploying services and applications, configuring them, updating certificates, monitoring crashed services/pods, and optimizing existing applications and resources (number of pods, autoscaling, etc.).
Successfully implemented PagerDuty for critical incident notifications, set up services, onboarded teams step by step, configured shifts and escalation of alerts from on-call engineers upwards. Worked closely with alerts and teams.
Integrated Grafana Tempo into the existing stack — we started seeing traces: what, where, and from where.
Designed and implemented numerous PromQL queries and alert rules. Worked with different departments; mostly wrote PromQL for alerts.

mar.2020-oct.2023 :: **YELO BANK | TEAM LEAD & DEVOPS ENGINEER**

Led a small DevOps team, coordinating cross-functional initiatives between infrastructure, development, and operations teams
Managed automation project for SWIFT payment recording - led a team including SWIFT vendors, network admins, system admins, and DevOps engineers to automate payment processing and database integration
Coordinated tasks and priorities across multiple teams, breaking down complex projects into actionable items and ensuring alignment with business goals
Designed and implemented a comprehensive monitoring solution, migrating from legacy systems to a modern observability stack with integrated metrics, logs, and traces for full end-to-end control. Technologies used: Grafana, Prometheus, OLK (OpenSearch, Logstash, Kibana).
Worked a lot with administration and configuration of products like Nginx, Proxy services, IIS (including managing the websites running on it, which sometimes crashed), and Apache httpd.
Corezoid (BPM) — monitoring logs and managing access to projects.
Administered Git servers: managing access, setting up and creating CI/CD pipelines for projects (e.g., iOS/Android apps in Play Store, automatic deployment of websites).
Administered and integrated SonarQube into CI/CD pipelines.
Did a lot of scripting (Visa B2B, Telegram bots, etc.), mainly using Python.
Developed an effective incident management process, setting up alerting with correct escalation paths and on-call schedules. Created a custom Python script to filter and forward critical notifications to a Telegram bot.

may.2017-feb.2020 :: **BANK RESPUBLIKA | SOFTWARE ARCHITECT**

My main task in this company was developing an internal banking system for the bank, and later - migrating data from legacy systems to the newly created internal system.
The technology stack included PHP, JavaScript, MySQL, Oracle, and PostgreSQL.

As a team lead, I managed a team consisting of a business analyst, two Java developers, two PHP developers, and a PL/SQL developer.
Our main goal was migrating from one core banking system to a new one.
A lot of work was done: under my guidance, we scanned the entire PHP monolith, extracted the business logic, and based on that work, developed new services in Java.
I was also responsible for designing business processes using Camunda BPMN and overseeing all related processes.

After four months of intensive work and many sleepless nights, we successfully completed the migration to the new core banking system.
It was an extremely interesting and valuable project that greatly enriched my professional experience.

EDUCATION

2008 - 2012 :: **AZERBAIJAN TECHNICAL UNIVERSITY** :: **AUTOMATION AND COMPUTER TECHNOLOGY**