

# Marlen Kossakov

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## Experience

### DevOps Engineer

AO "First Heartland Jusan Bank"

Almaty, KZ

Aug 2022 – Nov 2024

Leading Retail and Digital Bank in Kazakhstan

- **Automated the GitLab CI/CD process**, achieving a **70% reduction** in deployment time.
- **Deployed Ansible playbooks** to configure **100+ servers**, resulting in a **30% reduction** in deployment time.
- **Maintained optimal performance and uptime** for **50+ RHEL Linux servers** using *monitoring tools (Grafana, Dynatrace)* and *Telegram alerts*.
- **Implemented a reliable mechanism** for connection pooling, automated failover, and load balancing of **all bank PostgreSQLs** using *Pgbouncer, Patroni, and HAProxy*.

### DevOps Engineer, Project-Based

RedPill Dev Studio

Remote

Apr 2023 – July 2023

Leading Metaverse and Blockchain Solutions Developer, Global Reach

- **Deployed a service** to establish connections to gaming servers, **reducing latency issues** and providing a **more reliable infrastructure** for high-demand gaming environments.
- **Improved server security** through *firewall configurations*, **reducing unauthorized access attempts** by **25%**.
- **Optimized infrastructure scalability and reliability** by implementing **AWS services**, including *EC2, S3, Route 53, and IAM*.

### DevOps Engineer Intern

AO "First Heartland Jusan Bank"

Astana, KZ

Apr 2022 – Aug 2022

- **Created a system** for collecting logs from *pytests* using **Prometheus** and built **Grafana dashboards**.

## Education

### MS in Electrical and Computer Engineering

Anhalt University of Applied Sciences

Oct 2023 – 2024 (expected)

### BS in Electrical and Computer Engineering

Nazarbayev University

Aug 2018 – May 2022

## Publications

### Machine Learning Clustering Methods for Tuberculosis Data Analysis

Jan 2024

[10.3390/engproc2024060020](https://doi.org/10.3390/engproc2024060020) [🔗](#)

## Technologies

**Programming:** Python, C, Java, JavaScript, Bash, SQL.

**Technologies:** Linux, GitlabCI, ArgoCD, Docker, Kubernetes, Prometheus & Grafana, Ansible, AWS, PostgreSQL, Nginx.

## Languages

English(C1), German(B1), Kazakh(C2), Russian(C2), Turkish(B2)