EGOR SADIBEKOV - SOFTWARE ENGINEER

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Summary: Experienced product-oriented software engineer with 2+ years in fintech, driven by a strong passion for building secure, scalable, and efficient systems that can serve millions of users.

EDUCATION

M.S. in Information Systems   *2022 – **2024***
at Kazakh British Technical University
Research: Assessing brain development in children by **analyzing brain signals (EEG) with Python and ML**.

B.A. in Political Science   *2018 – 2022*
at Nazarbayev University

WORK EXPERIENCE

Software Engineer at Kaspi.kz (60B evaluation, LSE listed - KAKZF)   *05/2022 – Present*
TechStack*: Java 17, Kotlin, Kubernetes*   *Almaty, Kazakhstan*

- Proposed and implemented a solution, integrating **JWT security authorization and Redis caching**, resulting in an **80% reduction in database queries**.
- Reduced backend **service latency from 1500 ms to 300 ms** by implementing parallel decomposition of workers and asynchronous programming in a collaborative team setting.
- Developed a **reactive rate limiter** microservice in Java, bolstering security **against denial-of-service attacks** as part of a cross-functional team.
- Spearheaded the creation of a mobile service for secure data management, leading to **a remarkable 95% increase in positive user reviews**.
- **Optimized Spring unit and integration tests by 70%** through abstract class inheritance, contributing to more efficient daily continuous integration processes.
- Implemented **Kafka-based event control**, enabling auditing for **80% of business processes**, such as online credit transactions.

Software Engineer at Sberbank (the largest digital ecosystem in Russia)   *05/2021 – 04/2022*
TechStack: *Python, Apache Airflow, Kafka*   *Moscow, Russia*

- Implemented **a ranking system** based on statistical algorithms in Python, leveraging Apache Airflow for workflow orchestration. This led to **a remarkable productivity increase of over 80%**.
- Engineered a Python-based **smart push notification algorithm**, integrated with Kafka for **real-time event streaming**. This algorithm increased revenue by 150% through timely debt collection reminders.
- Proposed and successfully executed a strategy to **minimize systematic deviations from 60 to a core 15**, significantly enhancing data analysis quality and the performance of existing algorithms.

TECHNOLOGIES & SKILLS

Java | Kotlin | Python | Git | Kubernetes, Docker | Apache Kafka, Airflow | Camunda BPM | OpenCV | SQL (PostgreSQL, MySQL), NoSQL (Redis, MongoDB) | Effective team worker | Problem solver

PROJECTS

Restaurant booking   */restaurant-book*

- Developed a Kotlin backend using **reactive programming**, incorporating both **CQRS and Event Sourcing** design patterns. Supports asynchronous reservation of restaurant places.

Blog Posting Application   */simple-blog-application*

- Built a Spring Boot-based application with **Java backend and Vue.js frontend** that enables authorized users to publish and read blog posts on any topic.

Car model Recognizer   */car-model-recognizer*

- Implemented a Java computer vision algorithm using **convolutional neural network**, capable of identifying car models based on car images.