

JASUR YUSUPOV

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[LinkedIn](#) | [GitHub](#) | [LeetCode](#) | [StackOverflow](#) | 🌐 Website: jzr.uz

SKILLS

- **Programming Languages:** Python, Go, JavaScript, TypeScript, C++
- **Frameworks & Libraries:** Django, DRF, FastAPI, Aiogram, pyTelegramBotAPI, Celery, asyncio, aiohttp, asyncpg, SQLAlchemy, Gin, pgx, Next.js
- **Databases:** PostgreSQL, Oracle, ClickHouse, MongoDB, Redis
- **Tools & Technologies:** Docker, Nginx, Git, RabbitMQ, CI/CD, gRPC, REST APIs, OpenAPI/Swagger, Cloudflare, AWS, GCP
- **Open-Source Projects:** [AiogramX](#) (PyPI, 5K+ downloads), [FlipCache](#) (PyPI, 8K+ downloads)

WORK EXPERIENCE

Asakabank: *Senior Software Engineer*

09/2024 – Present

- Worked directly with business stakeholders and translated business language into technical requirements, delivery plans, and production features without BA/analyst handoff.
- Led development of an advanced NPL management system with stateful workflow logic, role-based approvals, validation rules, and operational controls.
- Designed and maintained ETL/DAG pipelines for moving and transforming banking data into process and reporting layers.
- Wrote complex SQL for analytics and operational reporting, including multi-table joins, aggregations, and data-quality checks.
- Improved backend performance by reducing inefficient database access patterns and optimizing heavy ORM-driven endpoints.
- Implemented business-ready Excel exporters for management reporting, including dynamic columns, formatting, and large dataset handling.

Tahrirchi: *Lead Software Engineer*

01/2022 – 08/2022, 05/2023 – 05/2024

- Co-developed an award-winning NLP-based app, securing first place in mGovAward (2022) and President Tech Award (2023).
- Developed and maintained a Telegram [bot](#) with 5000+ active users, featuring spell-checking, grammar-checking, transliterations, and channel post-scheduling functionalities. Implemented user authentication and premium features via website integration using SMS and email activation.
- Engineered a secure SaaS backend using FastAPI for integration with the Ministry of Justice, including obfuscation and encryption of language models.
- Built the backend of the "Tahrirgoh" mini-platform for editors to correct sentences and track scores, enhancing user engagement and system efficiency.
- Enhanced and maintained the website backend written in Go, fixing critical security vulnerabilities and improving performance.
- Developed an Adobe InDesign extension in C++ for Uzbek language support, including secure client validation mechanisms using AES-256 encryption and an easy-to-use installer. Developed a live

notification system to monitor and alert on various client events, such as extension usage and unauthorized access attempts.

Exadel: *Intern → Associate Software Engineer*

04/2022 – 06/2022, 09/2022 – 06/2023

- Built a full-stack “Cleaning Service” application (Django, DRF, Celery, RabbitMQ, JWT, Djoser, React) during internship, which led to a full-time offer.
- Contributed to “Logistics Assistant” development in a production team and actively participated in code reviews and mentorship-driven engineering practices.

Freelance Projects: *Backend Developer*

2018 – 2021

- Built and deployed multiple Telegram bots for automation and consumer use cases utilizing Python and Telegram Bot API frameworks such as PyTelegramBotAPI and Aiogram.
- Delivered products with real adoption, including Xojakabot (100k+ users), SteexBot (12k users), a COVID-19 tracking bot, and content automation bots.

EDUCATION

INHA University in Tashkent | Tashkent, Uzbekistan

September 2019 – May 2023

B.S. Computer Science

Relevant Coursework: Data Structures and Algorithms, Operating Systems, Artificial Intelligence, Multimedia Processing, Object-Oriented Programming, Software Engineering, Mobile App Development