

# Turarbek Satbaldiyev

 GitHub |  LinkedIn |  Telegram |  turarbeks@bk.ru

## EDUCATION

### Kazakh-British Technical University

*B.Sc. in Information Systems*

Almaty, Kazakhstan

Aug 2023 – May 2027

## EXPERIENCE

### Full-stack Developer

*Meta Accelerator — Astana Hub*

Jun 2025 – Sep 2025

*Astana, Kazakhstan*

- Designed and deployed an **AI-driven Voice-to-Voice (V2V) agent** with real-time lip-sync animation, increasing session duration by **35%**.
- Integrated AR-based spatial mapping and real-time object detection to enhance avatar interactivity.
- Optimized 3D rendering pipelines and asset loading strategies, maintaining stable **60 FPS** on mobile devices.
- *Tech: React, Three.js, WebGL, Python, Computer Vision*

### AI Engineer & Full-stack Developer

*nFactorial Incubator (Chevron Scholar)*

Jun 2025 – Aug 2025

*Almaty, Kazakhstan*

- Selected among the top **4%** of applicants for a competitive Generative AI incubator.
- Architected a production-grade **RAG pipeline** with vector similarity search, chunking, batching, and top-k retrieval tuning.
- Improved LLM response relevance and latency through retrieval optimization and prompt compression.
- *Tech: Python, LLMs, RAG, LangChain, Vector Databases, Docker*

### Backend Developer

*jas.prep.kz*

Aug 2025 – Present

*Almaty, Kazakhstan*

- Launched **Aioram**, an EdTech Telegram bot reaching **1,000+ active users** in the first month.
- Designed efficient data indexing and query optimization strategies, reducing analytics latency by **40%**.
- Built Docker-based CI/CD pipelines enabling zero-downtime deployments.
- *Tech: Python, Django, PostgreSQL, Redis, Docker, Telegram Bot API*

### Backend Developer

*oon.ai*

Oct 2025 – Dec 2025

*Almaty, Kazakhstan*

- Integrated CRM systems into an AI-powered lead management platform.
- Designed Redis caching strategies with TTL tuning and key partitioning, reducing p95 latency.
- Implemented AI response caching improving API response time by **10%**.
- *Tech: Python, Django, Redis, PostgreSQL*

## PROJECTS

### trc.works | AI E-Commerce Platform

- Built a high-load e-commerce platform with an AI virtual stylist, increasing engagement by **30%**.
- Implemented microservices and asynchronous background processing.

### theb2r.com | AR & AI Platform

- Developed an AR platform with multilingual V2V AI avatars and geospatial context awareness.

## ACHIEVEMENTS

**ICPC 2024 Quarter Finalist**

**Meta Llama Accelerator — 2nd Place**

**MasterCard Hackathon — 2nd Place**

## TECHNICAL SKILLS

**Languages:** Python, Java, PHP, JavaScript, TypeScript, SQL

**Frameworks:** Django, FastAPI, React, Next.js, Angular

**Backend:** Redis, PostgreSQL, Celery, RabbitMQ, REST, WebSockets

**AI/ML:** RAG, LLMs, LangChain, LlamaIndex, Vector Databases

**CS Fundamentals:** Algorithms, Data Structures, Complexity Analysis, System Design

**DevOps:** Docker, CI/CD, Nginx, Linux

## LANGUAGES

Kazakh (Native), Russian (Native), English (B2)