

Turarbek Satbaldiyev

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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

ooon.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)