# Turarbek Satbaldiyev

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## EDUCATION

**Kazakh-British Technical University** — Almaty, Kazakhstan
*Bachelor of Science in Information Systems* — *Aug 2023 – May 2027*

## EXPERIENCE

**Full-stack Developer** — Jun – Sep 2025
*Meta Accelerator — Astana Hub* — *Astana, Kazakhstan*
- Designed and prototyped an **AI-driven V2V Agent** with real-time talking head animations and an AR-based map system, increasing user engagement time by **35%**.
- Integrated AI capabilities such as voice synthesis and object detection, boosting feature adoption.

**Full-stack Developer** — Aug – Oct 2025
*GRG Company* — *Almaty, Kazakhstan*
- Developed and delivered **custom web applications** for multiple outsourcing clients across fintech, e-commerce, and education sectors.
- Collaborated with cross-functional teams to gather requirements, design scalable architectures, and ensure **on-time delivery** of client solutions.

**Full-stack Developer** — Jun – Aug 2025
*nFactorial Incubator (full Chevron-funded scholarship)* — *Almaty, Kazakhstan*
- Ranked in the **top 4%** of 2,000+ applicants; completed a competitive **10-week full-time incubator** specializing in AI-powered web applications.
- Collaborated with 80+ top-tier developers and mentors from Kolesa Group, 1Fit, and Surfaice; earned high evaluations in system architecture, DevOps, and product design.
- Gained hands-on expertise in **LangChain**, **LlamaIndex**, **Pydantic AI**, **Google AI SDK**, **MCP server orchestration**, and **A2A** systems for RAG and agent-based pipelines.

**Backend Developer** — Aug 2025 – Present
*jas.prep.kz* — *Almaty, Kazakhstan*
- Launched the **Aioram** Telegram bot, attracting **1,000+ active users in the first month** and increasing student engagement through interactive learning modules.
- Engineered an admin dashboard that reduced data export and backup time by **80%**, significantly improving operational efficiency.

## PROJECTS

**trc.works** | *FastAPI, React, PostgreSQL, Nginx, Celery, RabbitMQ, Alembic, Docker, OpenAI Azure*
- Engineered an AI-powered e-commerce platform for B2B and B2C markets, featuring intelligent product analysis and a virtual stylist chatbot that increased user engagement by 30%.
- Designed complete e-commerce workflows, covering product catalog, cart, checkout, and store management through an admin panel.
- Orchestrated backend workflows to shift resource-heavy operations to background tasks, improving request handling speed by 45%.
- Configured a production-ready infrastructure with HTTPS, load balancing, and continuous integration pipelines

**theb2r.com** | *FastAPI, React, Vite, PostgreSQL, Alembic, Nginx, Docker, LLaMA*
- Developed an innovative platform combining **augmented reality (AR)**, **AI avatars**, and **real-time voice interaction**.
- Implemented **voice-to-voice AI** with multilingual support (Kazakh, Russian, English), lip-sync animation, and emotion-aware responses.
- Built an **AR Coin System** enabling creation and interaction with virtual cryptocurrency tokens in 3D space.
- Integrated **geolocation-based services**, including contextual city data, points of interest, weather, and time zone APIs.

**jas.prep.kz** | *Python, Aiogram, Alembic, Redis, PostgreSQL, Docker*
- Developed and launched a production-ready Telegram bot (**Aioram**) supporting automated learning recommendations and real-time assistance for over **1,000 users**.
- Built an admin dashboard with real-time user management, one-click data export, and scheduled backups, reducing maintenance time by 80%.
- Handled complex database migration tasks with zero downtime, ensuring smooth and uninterrupted feature rollouts.
- Implemented containerized deployment reducing feature release cycles by 70%.

## Achievements

**ICPC 2024 Quarter Finalist** Nov 2024

- Applied advanced algorithms and data structures to design efficient solutions for complex competitive programming challenges, while maintaining effective team coordination under time constraints.

## Technical Skills

**Programming Languages:** Python, PHP, Java, JavaScript, TypeScript, SQL, HTML/CSS
**Frameworks & Libraries:** Laravel, Django / Django REST Framework, FastAPI, React, Angular, Next.js, Blade
**Backend & APIs:** WebSockets, Redis, Celery, RabbitMQ, RESTful API design
**DevOps & Cloud:** Docker, Nginx, Azure, DigitalOcean, AWS
**Databases:** PostgreSQL, MySQL, SQLite
**Tools & Environment:** Git, Postman, Linux

## Languages

**Kazakh**: C2 - mothertongue
**Russian**: C2 - mothertongue
**English**: B2 - Upper Intermediate