

## UMIDJON MIRZOYEV

**Product Engineer | AI Solutions Architect | Full-Stack Developer**

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**Portfolio:** <https://lizxone9.github.io/portfolio>

### PROFESSIONAL SUMMARY:

A results-oriented Product Engineer with a unique background bridging **Industrial Engineering (Oil & Gas)** and **AI-Native Software Development**.

Specialist in architecting scalable, high-concurrency systems using the **MEVN stack**, integrated with advanced LLMs (Gemini, Azure AI) and message brokers like **Kafka**. Proven ability to apply industrial-grade "systems thinking" to build robust, fault-tolerant digital products.

### TECHNICAL SKILLS

- **Languages & Frameworks:** JavaScript (ES6+), Node.js, Express.js, Vue.js, Vite, TypeScript.
- **AI & Cloud:** Azure AI Services, Google Gemini API, Prompt Engineering, Netlify, GitHub Actions.
- **Backend & Architecture:** MongoDB, Kafka (Message Queuing), RESTful APIs, Microservices, System Design.
- **Industrial Engineering:** Process Optimization, Operational Safety, Technical Documentation, Complex Systems Analysis.

### PROFESSIONAL EXPERIENCE

**Mirumitech LLC | Founder & Lead Product Engineer** *November 2025 – Present | Uzbekistan (Remote/Hybrid)*

- **Architected "CD-IELTS.uz":** Engineered a complex EdTech ecosystem handling high user concurrency. Implemented **Kafka** to manage asynchronous task queues for AI processing, ensuring 99.9% system uptime.
- **AI Integration:** Developed proprietary scoring engines for Speaking and Writing modules using **Azure AI** and **Gemini**, providing instant, granular feedback based on IELTS band descriptors.
- **Gamification Engine:** Designed a custom retention logic (XP system, Streaks, Rank Progression) that significantly increased daily active users (DAU).
- **Payment & Security:** Integrated local payment gateways (Payme) and secured user data with JWT authentication and role-based access control (RBAC).

## **Bukhara Oil Refinery (BNQIZ) | Process Engineer & Operational Specialist**

*April 2022 – April 2025 | Bukhara, Uzbekistan*

- **Mission-Critical Operations:** Managed complex technological processes in a high-risk industrial environment. This experience instilled a deep discipline for **operational stability**, safety protocols, and zero-error tolerance.
- **Systems Analysis:** Analyzed large-scale technical blueprints and optimized workflow efficiency for refinery modernization projects.
- **Engineering Logic:** Translated complex physical constraints into optimized operational procedures—a skill directly transferable to backend logic and system architecture.

## **EDUCATION**

**Bukhara Engineering-Technological Institute** *Bachelor of Chemical Technology (Oil & Gas Refining)* September 2018 – June 2022

- **GPA:** 4.17 / 5.00
- **Focus:** Engineering Mathematics, Process Automation, Systems Control.

## **KEY PROJECTS**

- **CD-IELTS Platform:** Full-stack MEVN application with real-time AI assessment.
- **Gamification Module:** Backend logic for user retention and tiered reward systems.
- **Refinery Process Optimization:** Industrial engineering project focused on efficiency and safety.