

MUHAMMADQODIR MAXMUDOV

AI Engineer | AI Automation Developer | AI Agent Builder

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PROFESSIONAL SUMMARY

Artificial Intelligence graduate (BSc Hons, University of Wolverhampton) and AI Engineer building production-grade AI agents, business automation systems and computer-vision pipelines. Experience spans tool-calling LLM agents with permission, approval and audit layers; Telegram-based cashier and finance automation with Google Sheets integration; Instagram AI chatbots and lead capture; sales-operator analytics; and a full instructor/operator training system built in C++ on Unreal Engine 5.8. Currently working at Unicon, while developing a production-ready AI Job and Career Agent platform built from modular AI agents for profile parsing, job matching, CV/portfolio generation, application support and interview preparation.

PROFESSIONAL EXPERIENCE

AI Engineer 2026 - Present
Unicon - Tashkent, Uzbekistan

- Develop LLM-based solutions and AI agents, including tool-calling integrations, prompt engineering and structured outputs.
- Build backend services and APIs that connect AI components to existing internal systems.
- Automate operational and data-processing workflows, removing manual steps from internal processes.

AI Engineer / Automation Developer 2026 - Present
Power Yarn / Business Automation Projects

- Built and deployed business automation workflows for finance, sales, cashier control, reporting and operational monitoring.
- Developed Telegram-based cashier and cashbox management systems with Google Sheets integration, role-based access, multi-currency balances, transfers, conversion logic, daily reminders and web dashboard views.
- Created AI-assisted tools for Instagram customer communication, lead capture, operator support and sales process analysis.
- Designed workflows that analyse operator sales activity and produce practical recommendations to improve response quality, customer handling and conversion performance.
- Worked with Python, aiogram, Google Sheets API, SQLite, FastAPI-style web components, data parsing, automation scripts and deployment on Linux/VPS environments.

SELECTED PROJECTS

Power Yarn Executive AI Agent 2026 | Production
Telegram AI agent | Python, aiogram, FastAPI, PostgreSQL/pgvector, Redis, Docker, Claude API

- Built a personal AI agent for an executive, operating across calendar, mail, cashbox data, documents and web research through 42 registered tools.
- Designed an L0-L5 permission matrix with a policy engine and single-use, parameter-bound approval for high-risk actions, so the model never decides what is safe.
- Implemented an append-only audit log enforced at database level, encrypted OAuth token storage, and browser automation isolated in a separate container and network.
- Delivered document RAG on pgvector, voice input/output, daily briefs, scheduled tasks and conditional follow-ups, plus Odoo and Google Workspace connectors.
- Reduced LLM cost by 89% (measured) through prompt caching, with per-user budget ceilings and cost accounting.

TrainingIOS - Instructor and Operator Training System 2026
Simulation platform | C++, Unreal Engine 5.8, UMG, SQLite

- Developed an 18-screen training application built programmatically in C++ UMG, backed by SQLite with versioned migrations.
- Implemented a 2D staging editor for drill layout and a desktop 3D simulation mode measuring reaction time, accuracy and discipline in real time.
- Added after-action review, PDF report export and in-application media handling for trainee records and scenario assets.
- Covered the full flow with a headless end-to-end test suite that also passes inside the packaged build.

AI Job and Career Agent Platform 2026 | Pre-production
Startup | Telegram bot + admin panel + AI agents

- Designed a full AI career-agent platform for Uzbekistan that helps users find suitable jobs, create or improve CVs, prepare portfolios, support applications and prepare for interviews.
- Planned a modular multi-agent architecture: Profile Parser, Role Expansion, Job Parser, Matching, CV, Portfolio, Apply, Interview and Employer agents.
- Defined a job collection and matching pipeline using hh.uz, Telegram sources and manual vacancies, with deduplication, quality/risk filtering, semantic matching, user-feedback learning and application tracking.
- Prepared the architecture with Python/FastAPI, aiogram, PostgreSQL/pgvector, Redis/Celery, structured LLM outputs, embeddings, admin panel, subscriptions and analytics.

Python, aiogram, Google Sheets API, SQLite, Web App

- Developed a production Telegram bot for cashier operations, cashboxes, income, expenses, transfers, currency conversion and daily balance control.
- Implemented UZS, USD and card accounting kept strictly separate, manager/admin permissions, restricted balance visibility, duplicate-sync protection and robust Latin/Cyrillic text parsing.
- Added web-based transaction views, role-based dashboards, automated reminders, a day-closing confirmation flow and Google Sheets reporting.

Computer Vision | Ministry of Internal Affairs of Uzbekistan

- Developed a computer-vision workflow for automatic shooting-target detection, bullet-mark analysis, target cropping, object-detection reasoning and intelligent score calculation.

AI chatbot | sales automation

- Built AI-powered Instagram chatbot workflows to answer customer questions, collect phone numbers and leads, and route important information to Telegram or internal teams.
- Designed conversation flows for product enquiries, common objections, customer qualification and handoff to human operators.

AI analytics | operator coaching

- Developed AI-assisted analysis logic for reviewing operator sales communication, identifying weak points and generating practical guidance for better customer conversion.
- Focused on response quality, missed opportunities, objection handling, lead status and performance recommendations for managers.

Telegram bot | reporting automation

- Created automation for employee activity and attendance reporting, daily summaries, active/idle time analysis and Telegram-based status notifications.

TECHNICAL SKILLS

AI / LLM	Generative AI, LLM applications, AI agents, tool-calling architecture, structured outputs, prompt engineering, prompt caching, RAG, embeddings, NLP, Transformer models
Automation	Telegram bots, business workflow automation, Google Sheets API, finance/cashier automation, reporting systems, scheduling and reminders
Backend	Python, FastAPI, aiogram, SQLite, PostgreSQL/pgvector, REST APIs, Alembic migrations, Git, WSL, Linux/VPS deployment
Data and ML	Pandas, NumPy, data cleaning, sales/operator analytics, regression, classification, Random Forest, XGBoost
Computer Vision	Image processing, object detection, CNNs, target/bullet detection, intelligent scoring logic
Other	C++, Unreal Engine 5 (UMG, packaging), Docker, Redis/Celery, JupyterLab, Telegram Bot API, MS Office

EDUCATION

University of Wolverhampton, United Kingdom

CERTIFICATIONS

Generative AI with Large Language Models
TensorFlow and Deep Learning Fundamentals
Machine Learning and Data Analysis

LANGUAGES

Uzbek - Native
English - Working proficiency
Russian - Intermediate